OF THE
UNIVERSITY of ILLINOIS.

CATALOGUE

OF

NORTHWESTERN UNIVERSITY

1899-1900

EVANSTON—CHICAGO
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1900

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CATALOGUE

OF

Northwestern University

I COLLEGE OF LIBERAL ARTS
EVANSTON

II MEDICAL SCHOOL
CHICAGO

III LAW SCHOOL
CHICAGO

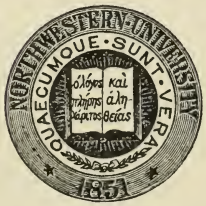
IV SCHOOL OF PHARMACY
CHICAGO

V DENTAL SCHOOL
CHICAGO

VI WOMAN'S MEDICAL SCHOOL
CHICAGO

VII SCHOOL OF MUSIC
EVANSTON

VIII SCHOOLS OF THEOLOGY
EVANSTON



EVANSTON—CHICAGO

1899-1900

CONTENTS.

	PAGE.
ANNOUNCEMENTS,	9
CALENDAR,	12
THE CORPORATION,	13
OFFICERS OF INSTRUCTION AND GOVERNMENT,	17
UNIVERSITY COUNCIL,	34
ORGANIZATION AND GOVERNMENT,	36
CHARTER,	37
STATUTES,	42
COLLEGE OF LIBERAL ARTS,	47
Candidates for Admission,	50
Admission of Candidates for a Degree,	51
Subjects Required for Admission,	51
Examination for Admission,	56
Certificates,	59
Admission from Accredited Schools,	59
Accredited Schools,	60
Admission of Special Students,	63
Admission to Advanced Standing,	63
Admission of Women,	64
Faculty Advisers,	65
Programs of Study,	65
Courses of Instruction,	68
Professional Studies,	140
Graduate Work,	142
Registration,	143
Absences,	145
Examinations and Records,	145
Grades of Scholarship,	146
Classification,	147
Degrees,	147
Government,	151
Athletics,	152
Musical Clubs,	154
Social Functions,	154
Religious Culture,	154

33287

Students' Organizations, - - - - - 156
University Settlement, - - - - - 157
Fellowship and Scholarships, - - - - - 157
Prizes, - - - - - - - 158
Grounds and Buildings, - - - - - 161
The Libraries, - - - - - - 165
The Observatory, - - - - - - 166
The Museums, - - - - - - 167
The Laboratories, - - - - - - 169
The Gymnasium, - - - - - - 171
Fees and Expenses, - - - - - - 172
Payment of College Bills, - - - - 173
Loan Funds, - - - - - - - 174
Self-Support, - - - - - - 174
THE MEDICAL SCHOOL, - - - - - - 175
History, - - - - - - - 178
Buildings, - - - - - - - 179
Alumni Library, - - - - - - 180
Requirements for Admission, - - - - 180
Preparatory Medical Course, - - - - 181
Admission to Advanced Standing, - - - - 181
Methods of Instruction, - - - - - 182
Special Elective Work, - - - - - 183
Course of Study, - - - - - - 183
Departmental Instruction, - - - - - 184
Summer Courses, - - - - - - 200
Hospitals, - - - - - - - 203
Hospital Appointments, - - - - - 205
Final Examinations, - - - - - 206
Honors, - - - - - - - 206
Requirements for Graduation, - - - - 206
Assignment of Seats, - - - - - 207
Scholarships, - - - - - - - 207
Expenses, - - - - - - - 207
THE LAW SCHOOL, - - - - - - 209
School Accommodations, - - - - 210
Requirements for Admission, - - - - 210
Special Students, - - - - - - 211
Course of Instruction, - - - - - 211
Courses not Counted toward a Degree, - - 214
Graduate Work, - - - - - - 215
Schedule for First Half-year, - - - - 216
Schedule for Second Half-year, - - - - 217
System of Study and Instruction, - - - 218

Moot Courts and Thesis, - - - - - - 218
Prizes, - - - - - - - - 219
Library Facilities, - - - - - - - 219
Degrees, - - - - - - - - 220
Fees, - - - - - - - - - 222
Expenses, - - - - - - - - 223
THE SCHOOL OF PHARMACY, - - - - - - 224
Admission Requirements, - - - - - 225
Courses and Degrees, - - - - - - 225
Laboratories, - - - - - - - 226
Courses of Instruction, - - - - - - 226
Fees and Expenses, - - - - - - 229
THE DENTAL SCHOOL, - - - - - - - 231
Requirements for Admission, - - - - 232
Admission to Advanced Standing, - - - - 233
Course of Study, - - - - - - - 233
Facilities for Instruction, - - - - - 234
New Equipment, - - - - - - - 236
Methods of Instruction, - - - - - - 237
Infirmary Clinics, - - - - - - - 243
Requirements for Graduation, - - - - 244
Expenses, - - - - - - - - 244
THE WOMAN'S MEDICAL SCHOOL, - - - - - 246
History, - - - - - - - - 248
Requirements for Admission, - - - - 248
Admission to Advanced Standing, - - - 249
Admission of Special Students, - - - - 250
Curriculum of Study, - - - - - - 250
Clinical Instruction, - - - - - - - 257
Requirements for Graduation, - - - - 261
Hospital Appointments, - - - - - - 262
Honors, - - - - - - - - 262
Scholarships, - - - - - - - - 262
Expenses, - - - - - - - - 264
Assignment of Seats, - - - - - - - 265
THE SCHOOL OF MUSIC, - - - - - - - 266
Advantages, - - - - - - - - 267
Requirements for Admission, - - - - - 268
The Theoretical School, - - - - - - 269
The Practical School, - - - - - - 269
Diplomas and Certificates, - - - - - 271
Expenses, - - - - - - - - 271
THE SCHOOLS OF THEOLOGY, - - - - - - 274
Garrett Biblical Institute, - - - - - 274

Requirements for Admission, - - - - - 274
Instruction, - - - - - - - - 275
Courses of Study, - - - - - - - 276
Method of Instruction, - - - - - 278
Libraries, - - - - - - - - 279
Literary Societies, - - - - - - 279
Buildings, - - - - - - - - 279
Financial Aid, - - - - - - - 280
Expenses, - - - - - - - - 280
Norwegian-Danish Theological Department, - - - 281
Swedish Theological Department, - - - - 281
CATALOGUE OF STUDENTS, DEGREES, PRIZES, ETC. - - 285

ANNOUNCEMENTS FOR 1900-1901.

THE CORPORATION.

1900.

January 31,	Wednesday, Second Quarterly Meeting of the Board of Trustees.
April 26,	Thursday, Third Quarterly Meeting of the Board of Trustees.
June 12,	Tuesday, Annual Meeting of the Board of Trustees.

THE UNIVERSITY.

Unless otherwise indicated, these announcements apply to all departments of the University.

1900.

June 14,	Thursday, **Forty-second Commencement.**
September 24,	Monday, College Year Opens, College of Liberal Arts, Law School, School of Pharmacy and School of Music.
September 19,	Wednesday, School Year Opens, Swedish Seminary.
September 26,	Wednesday, School Year Opens, Garrett Biblical Institute.
October 1,	Monday, School Year Opens, Woman's Medical School.
October 2,	Tuesday, School Year Opens, Medical School.
October 3,	Wednesday, School Year Opens, Dental School.
November 29,	Thursday, to December 3, Monday morning, Thanksgiving Recess.
December 21,	Friday Evening, to January 2, 1901, Wednesday Evening, Christmas Recess.

1901.

February 22,	Friday, Washington's Birthday; Class-work suspended.
February 22,	Friday, Banquet of the Senior Classes of all Departments.

May 30,	Thursday, Decoration Day; Class-work suspended.
June 20,	Thursday, **Forty-third Commencement.**

For further announcements concerning the professional schools, reference should be made to the Circulars of Information issued by those schools.

COLLEGE OF LIBERAL ARTS.

1900.

April 16,	Monday, Supplementary Examinations.
April 20,	Friday, Gage Prize Contest.
April 28,	Saturday, Last day for the Presentation of Theses for Advanced Degrees.
April 28,	Saturday, Presentation of Dewey Prize Essays and Harris Prize Theses.
May 19,	Saturday, Examination of Candidates for Advanced Degrees begins.
May 31,	Thursday, to June 7, Thursday, Regular Examinations.
June 8,	Friday, Additional Examinations.
June 10,	Sunday, Baccalaureate Address.
June 11 and 12,	Monday and Tuesday, Examinations for Admission.
June 12,	Tuesday, Kirk Prize Contest.
June 13,	Wednesday, Annual Meeting of the Phi Beta Kappa Society, 9:30 A.M.
June 13,	Wednesday, Meeting of the Alumni Association, 1:30 P.M.
June 13,	Wednesday, Annual Address before the Phi Beta Kappa Society, 4:30 P.M.
June 14,	Thursday, **Forty-second Commencement.**
June 15,	Friday, to September 23, Sunday, Summer Vacation.
September 24,	Monday, **First Semester Begins.**
September 24 and 25,	Monday and Tuesday, Examinations for Admission.
September 25, 26, 27,	Tuesday, Wednesday, Thursday, Registration Days.
September 26,	Wednesday, Supplementary Examinations.
September 27,	Thursday, Class-work begins, 8 A.M.
October 3,	Wednesday, Cleveland Prize Contestants Announced.

1901.

January 8,	Tuesday, Appointment of Gage Prize Contestants.
January 31,	Thursday, Day of Prayer for Colleges.
February 6,	Wednesday, to February 13, Wednesday, Regular Mid-year Examinations.
February 14,	Thursday, Additional Examinations.
February 15,	Friday, **Second Semester Begins.**
February 18,	Monday, Supplementary Examinations.
February 19, 20, 21,	Tuesday, Wednesday, Thursday, Registration Days.
February 19,	Tuesday, Class-work resumed, 8 A. M.
February 22,	Friday, Cleveland Prize Contest.
April 4,	Thursday Evening, to April 8, Monday Evening, Easter Recess.
April 8,	Monday, Supplementary Examinations.
April 12,	Friday, Gage Prize Contest.
April 27,	Saturday, Last day for the Presentation of Theses for Advanced Degrees.
April 27,	Saturday, Presentation of Dewey Prize Essays and Harris Prize Theses.
May 25,	Saturday, Examination of Candidates for Advanced Degrees.
June 5,	Wednesday, to June 13, Thursday, Regular Examinations.
June 14,	Friday, Additional Examinations.
June 16,	Sunday, Baccalaureate Address.
June 17 and 18,	Monday and Tuesday, Examinations for Admission.
June 18,	Tuesday, Kirk Prize Contest.
June 19,	Wednesday, Annual Meeting of the Phi Beta Kappa Society.
June 19,	Wednesday, Meeting of the Alumni Association.
June 19,	Wednesday, Annual Address before the Phi Beta Kappa Society.
June 20,	Thursday, **Forty-third Commencement.**
June 21,	Friday, to September 22, Sunday, Summer Vacation.
September 23,	Monday, **First Semester Begins.**
September 23 and 24,	Monday and Tuesday, Examinations for Admission.
September 24, 25, 26,	Tuesday, Wednesday, Thursday, Registration Days.
September 25,	Wednesday, Supplementary Examinations.
September 26,	Thursday, Class-work begins, 8 A.M.

1899

JULY.

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1900

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1901

JANUARY.

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FEBRUARY.

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CORPORATION.

OFFICERS.

William Deering,	President.
The Hon. Oliver Harvey Horton, LL.D.,	First Vice-President.
The Hon. H. H. C. Miller, A.M.,	Second Vice-President.
Frank Philip Crandon, A.M.,	Secretary.
George Peck Merrick, LL.B.,	Assistant Secretary.
Robert Dickinson Sheppard, D.D.,	Agent and Treasurer.

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TERM EXPIRES IN 1900.

Robert Dickinson Sheppard, D.D.,	Evanston.
Josiah J. Parkhurst,	Evanston.
Thomas Clarkson Hoag,	Pasadena, Cal.
David McWilliams,	Dwight.
*The Rev. Richard Haney, D.D.,	Monmouth.
Nina Grey Lunt,	Evanston.
Gustavus Franklin Swift,	Chicago.
Henry Howard Gage,	Evanston.
The Hon. Lyman Judson Gage,	Washington, D. C.

TERM EXPIRES IN 1901.

Norman Waite Harris,	Chicago.
Nathan Smith Davis, Jr., A.M., M.D.,	Chicago.
Harvey Bostwick Hurd, LL.D.,	Evanston.
John Richard Lindgren,	Evanston.
Alexander Hamilton Revell,	Chicago.
The Hon. H. H. C. Miller, A.M.,	Evanston.
Charles Busby,	Chicago.
The Hon. Elbert Henry Gary,	New York City.
Milton Hollyday Wilson,	Evanston.

TERM EXPIRES IN 1902.

Edmund Andrews, M.D., LL.D.,	Chicago.
Nathan Smith Davis, M.D., LL.D.,	Chicago.

*Deceased.

HENRY SARGENT TOWLE, LL.B., - - - Chicago.
HARLOW NILES HIGINBOTHAM, - - - - Chicago.
JOHN BALDERSTON KIRK, - - - - Evanston.
HENRY WADE ROGERS, LL.D., - - - Evanston.
BURNS DURBIN CALDWELL, - - - New York City.
CHARLES BOWEN CONGDON, - - - - - Evanston.
JAMES HENRY RAYMOND, A.M., - - - Evanston.

TERM EXPIRES IN 1903.

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WILLIAM DEERING, - - - - - Evanston.
MERRITT CALDWELL BRAGDON, A.M., M.D., - - Evanston.
*MRS. JOSEPH CUMMINGS, - - - - Evanston.
WILLIAM ALDEN FULLER, - - - - - Chicago.
JAMES BARTLETT HOBBS, - - - - Chicago.
FRANK PHILIP CRANDON, A.M., - - - - Evanston.
THE HON. LORIN CONE COLLINS, A.M., - - Chicago.
THE HON. WILLIAM ANDREW DYCHE, A.M., - - Evanston.

ELECTED BY CONFERENCES.

ROCK RIVER.

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THE REV. JOHN PATRICK BRUSHINGHAM, D.D., - - Chicago.

DETROIT.

THE REV. JOSEPH FLINTOFT BERRY, D.D., - - Chicago.
THE REV. ARTHUR EDWARDS, A.M., D.D., - - Chicago.

CENTRAL ILLINOIS.

*THE REV. JAMES WILLIAM HANEY, A.M., D.D., - - Galva.
THE REV. FRANK WARREN MERRELL, PH.D., - - Peoria.

MICHIGAN.

THE REV. GEORGE S. HICKEY, A.M., D.D., - - Detroit, Mich.
THE REV. ALFRED EDWIN CRAIG, A.B., B.D., - Albion, Mich.

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OLIVER H. HORTON, LL.D.
FRANK PHILIP CRANDON, A.M.
H. H. C. MILLER, A.M.
HENRY WADE ROGERS, LL.D.
ROBERT DICKINSON SHEPPARD, D.D.
JOHN RICHARD LINDGREN.
JOSIAH J. PARKHURST.
MILTON HOLLYDAY WILSON.
JAMES HENRY RAYMOND, A.M.
WILLIAM A. DYCHE, A.M.
HENRY HOWARD GAGE.

*Deceased.

STANDING COMMITTEES OF TRUSTEES.

The President of the University is *ex-officio* a member of all the Committees.

Committee on Report of the President of the University—Messrs. EDWARDS, PATTEN, J. W. HANEY and HICKEY.

Committee on Treasurer's Report and Finances and Business Agent's Report—Messrs. KIRK, HARRIS, WILSON and SWIFT.

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Committee on Medical School—Messrs. DAVIS, SR., HARRIS and RAYMOND.

Committee on Law School—Messrs. TOWLE, COLLINS, GARY and HURD.

Committee on School of Pharmacy—Messrs. DYCHE, FULLER and BUSBY.

Committee on Dental School—Messrs. EDWARDS, BRUSHINGHAM and RAYMOND.

Committee on Woman's Medical School—Messrs. HORTON, DYCHE, Miss LUNT, Messrs. DAVIS, JR. and H. H. GAGE.

Committee on Conservatory of Music—Mr. LINDGREN, Miss LUNT, Messrs. MILLER and RAYMOND.

Committee on University Dormitories and Woman's Hall—Mr. CRANDON, Mrs. CUMMINGS and Miss LUNT.

Committee on Academy—Messrs. PARKHURST, SHEPPARD and BRAGDON.

Committee on Library—Messrs. BRUSHINGHAM, CRAIG and MERRELL.

Committee on Real Estate—Messrs. MCWILLIAMS, H. H. GAGE and CONGDON.

Committee on Nomination of Trustees and Officers—Messrs. HOBBS, WILSON, DAVIS, JR., CRANDON and DYCHE.

Committee on Miscellaneous Matters—Messrs. J. W. HANEY, BERRY and BRAGDON.

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HENRY WADE ROGERS, LL.D., *President of the University*, 1958 Sheridan Road, Evanston.

PROFESSORS AND ASSISTANT PROFESSORS.

ISAAC ARTHUR ABT, M.D., - 4326 Vincennes Ave., Chicago.
Professor of Diseases of Children, Woman's Medical School, and Instructor in Clinical Pediatrics, Medical School.

FRANK ALLPORT, M.D., - - - 92 State St., Chicago.
Professor of Ophthalmology and Otology, Woman's Medical School.

EDMUND ANDREWS, A.M., M.D., LL.D., - 100 State St., Chicago.
Professor of Clinical Surgery, Medical School.

EDWARD WYLLYS ANDREWS, A.M., M.D., 100 State St., Chicago.
Professor of Surgery and of Clinical Surgery, Medical School.

FRANK TAYLOR ANDREWS, A.M., M.D., - 100 State St., Chicago.
Professor of Clinical Gynecology, Medical School.

KATHERINE LOUISE ANGELL, M.D., 3615 Wabash Ave., Chicago.
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Clerk, Woman's Medical School.

JENNIE ROSE HAWKINS, - 6336 Jefferson Ave., Chicago.
Stenographer and Librarian, School of Pharmacy.

HIRAM PORTER HENDRICKS, - 2431 Dearborn St., Chicago.
Clerk, Medical School.

HATTIE SWAN HIGGINS, - 1407 Dunning St., Chicago.
Secretary to the President and to the Registrar, College of Liberal Arts.

MARY FLORENCE LONG, - - 1108 Church St., Evanston.
Clerk in Business Office and Secretary to the Business Agent.

OLINIA MAY MATTISON, Ph.B., - 933 Chicago Ave., Evanston.
Assistant in Library.

ANNIE WORTHERSPOON PATERSON, - Woman's Hall, Evanston.
Matron, Woman's Hall.

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*Absent on leave.

FLORA B. ROBERTS, - - 1704 Chicago Ave., Evanston.
Cataloguer, Lunt Library.

ALFRED HEERENS, - - - 1719 Benson Ave., Evanston.
Janitor, Lunt Library.

LOUIS LUETTIG, - - - 1421 Florence Ave., Evanston.
Janitor, Music School.

R. R. MARS, - - - - 620 Foster St., Evanston.
Janitor, Garrett Biblical Institute.

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JAMES WHITAKER ROSS, - - University Hall, Evanston.
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CHARLES WILLIAM TUTTLE, Cor. Franklin and Madison Sts., Chicago.
Janitor, Dental School.

UNIVERSITY COUNCIL.

HENRY WADE ROGERS, LL.D., *President.*

COLLEGE OF LIBERAL ARTS.

DANIEL BONBRIGHT, LL.D.
HERBERT FRANKLIN FISK, D.D., LL.D.

MEDICAL SCHOOL.

FRANK SEWARD JOHNSON, A.M., M.D.
EDMUND ANDREWS, M.D., LL.D.

LAW SCHOOL.

PETER STENGER GROSSCUP, LL.D.
JOHN HENRY WIGMORE, A.M., LL.B.

SCHOOL OF PHARMACY.

OSCAR OLDBERG, PHARM.D.
JOHN HARPER LONG, SC.D.

DENTAL SCHOOL.

GREENE VARDIMAN BLACK, M.D., D.D.S., LL.D.
THEODORE MENGES, D.D.S.

WOMAN'S MEDICAL SCHOOL.

MARIE JOSEPHA MERGLER, M.D.
JOHN RIDLON, A.M., M.D.

NORTHWESTERN UNIVERSITY.

The University comprises the following degree-conferring departments, each having a distinct Faculty of Instruction:

The College of Liberal Arts,
The Medical School,
The Law School,
The School of Pharmacy,
The Dental School,
The Woman's Medical School,
The School of Music,
The Schools of Theology.

The departments of the University are situated in Chicago and Evanston, Illinois. The Schools of Medicine, Law, Pharmacy, and Dentistry are established in the former place because of the advantages which a great city affords to those engaged in professional study. The College of Liberal Arts is established in Evanston because of the advantages to be derived from carrying on undergraduate study in a place somewhat removed from the distractions of a large city. The School of Music is also established in Evanston and in close proximity to the College of Liberal Arts. Evanston is the most beautiful suburb of Chicago. It is situated on the shore of Lake Michigan, twelve miles from the center of the city, is tastefully laid out, and is in all respects a model university town. Its population numbers twenty-five thousand. The charter of the University prohibits the sale of intoxicating liquors within four miles of the University. This provision of the charter is strictly enforced within the city of Evanston. As a result, the place is unusually free from immoral influences. The intelligence and sobriety of the community and the excellent social privileges offered materially aid the University in its work of education.

ORGANIZATION AND GOVERNMENT.

A meeting to consider the project of founding a university in the vicinity of Chicago was held in that city on May 31, 1850. It was unanimously resolved that "the interests of Christian learning demand the immediate establishment of a University in the Northwest," and a committee was thereupon appointed to secure a charter from the General Assembly of Illinois. The movement met with success, and a charter was obtained which was approved by the Governor on January 28, 1851. It was not, however, until June, 1853, that a President of the University was appointed.

The College of Liberal Arts was the first department of the University to be organized, and was formally opened in November, 1855. The Medical School was established in connection with the University in 1869, the Law School in 1873, the School of Pharmacy in 1887, the Dental School in 1888, the Woman's Medical School in 1892, and the School of Music in 1895. The Garrett Biblical Institute was adopted as the Theological School of the University.

The government of the University is committed to a Board of forty-four Trustees. This board has the power of electing professors and instructors, managing the property of the corporation, and determining the general policy of the institution. It delegates certain powers to subordinate boards:

First—To the Executive Committee, which has power to conduct and manage the business of the institution during the intervals between the meetings of the Trustees.

Second—To the faculties of the institution under their control, to which is committed the regulation of the instruction and discipline of the several schools, subject to the action of the Trustees and of the Executive Committee.

UNIVERSITY CHARTER.

The charter granted to the University, in 1851, reads as follows :·

SECTION I. *Be it enacted by the People of the State of Illinois, represented in the General Assembly:* That Richard Haney, Philo Judson, S. P. Keyes, and A. E. Phelps, and such persons as shall be appointed by the Rock River Annual Conference of the Methodist Episcopal Church to succeed them in the said office; Henry Summers, Elihu Springer, David Brooks, and Elmore Yocum, and such persons as shall be appointed by the Wisconsin Annual Conference of said church to succeed them; four individuals, if chosen, and such persons as shall be appointed to succeed them by the Michigan Annual Conference of said church; four individuals, if chosen, and such persons as shall be appointed to succeed them by the North Indiana Annual Conference of said church; H. W. Reed, I. I. Stewart, D. N. Smith, and George M. Teas, and such persons as shall be appointed to succeed them by the Iowa Annual Conference of said church; four individuals, if chosen, and such persons as shall be appointed to succeed them by the Illinois Annual Conference of said church; A. S. Sherman, Grant Goodrich, Andrew J. Brown, John Evans, Orrington Lunt, J. K. Botsford, Joseph Kettlestrings, George F. Foster, Eri Reynolds, John M. Arnold, Absalom Funk, and E. B. Kingsley, and such persons, citizens of Chicago or its vicinity, as shall be appointed by the Board of Trustees hereby constituted to succeed them, be, and they are hereby created and constituted a body politic and corporate, under the name and title of the *Trustees of the Northwestern University*, and henceforth shall be styled and known by that name, and by that name and style to remain and have perpetual succession, with power to sue and be sued, plead and be impleaded, to acquire, hold, and convey property, real, personal, or mixed, in all lawful ways; to have and use a common seal and to alter the same at pleasure; to make and alter from time to time such by-laws as they may deem necessary for the government of said institution, its officers and servants, provided such by-laws are not inconsistent with the constitution and laws of this State and of the United States, and to confer on such persons as may be considered worthy such academical or honorary degrees as are usually conferred by similar institutions.

SECTION II. The term of office of said Trustees shall be four years, but that of one member of the Board for each conference enjoying the appointing power by this act, and the term of three of the members whose successors are to be appointed by the Board

hereby constituted, shall expire annually; the term of each member of the Board herein named to be fixed by lot at the first meeting of said Board, which Board shall, in manner above specified, have perpetual succession, and shall hold the property of said institution solely for the purposes of education, and not as a stock for the individual benefit of themselves or any contributor to the endowment of the same; and no particular religious faith shall be required of those who become students at the institution. Nine members shall constitute a quorum for the transaction of any business of the Board, except the appointment of President or Professor, or the establishment of chairs in said institution, and the enactment of by-laws for its government, for which the presence of a majority of the Board shall be necessary.

SECTION III. Said Annual Conferences of the Methodist Episcopal Church, under whose control and patronage said University is placed, shall each also have the right to appoint annually two suitable persons, members of their own body, visitors to said University, who shall attend the examination of students, and be entitled to participate in the deliberations of the Board of Trustees, and enjoy all the privileges of members of said Board except the right to vote.

SECTION IV. Said institution shall remain located in or near the City of Chicago, Cook County, and the corporators and their successors shall be competent in law or equity to take to themselves, in their said corporate name, real, personal, or mixed estate, by gift, grant, bargain, and sale, conveyance, will, devise, or bequest of any person or persons whomsoever; and the same estate, whether real, personal, or mixed, to grant, bargain, sell, convey, devise, let, place out at interest, or otherwise dispose of the same for the use of said institution in such manner as to them shall seem most beneficial to said institution. Said corporation shall faithfully apply all the funds collected or the proceeds of the property belonging to the said institution, according to their best judgment, in erecting and completing suitable buildings, supporting necessary officers, instructors, and servants, and procuring books, maps, charts, globes, and philosophical, chemical, and other apparatus necessary to the success of the institution, and do all other acts usually performed by similar institutions that may be deemed necessary or useful to the success of said institution, under the restrictions herein imposed: *Provided*, nevertheless, that in case any donation, devise, or bequest shall be made for particular purposes accordant with the design of the institution, and the corporation shall accept the same, every such donation, devise, or bequest shall be applied in conformity with the express conditions of the donor or devisor: *Provided, further*, that said corporation

shall not be allowed to hold more than two thousand acres of land at any one time unless the said corporation shall have received the same by gift, grant, or devise; and in such case they shall be required to sell or dispose of the same within ten years from the time they shall acquire such title; and, on failure to do so, such lands over and above the before-named two thousand acres shall revert to the original donor, grantor, devisor or their heirs.

SECTION V. The treasurer of the institution and all other agents when required, before entering upon the duties of their appointment, shall give bond for the security of the corporation in such penal sums, and with such securities as the corporation shall approve, and all process against the corporation shall be by summons, and the service of the same shall be by leaving an attested copy thereof with the treasurer at least sixty days before the return day thereof.

SECTION VI. The corporation shall have power to employ and appoint a President or Principal for said institution, and all such professors or teachers and all such servants as may be necessary, and shall have power to displace any or such of them as the interest of the institution may require, to fill vacancies which may happen by death, resignation, or otherwise, among said officers and servants, and to prescribe and direct the course of studies to be pursued in said institution.

SECTION VII. The corporation shall have power to establish departments for the study of any and all the learned and liberal professions in the same, to confer the degree of doctor in the learned arts and sciences and *belles-lettres*, and to confer such other academical degrees as are usually conferred by the most learned institutions.

SECTION VIII. Said corporation shall have power to institute a board of competent persons, always including the faculty, who shall examine such individuals as may apply, and if such applicants are found to possess such knowledge pursued in said institution as in the judgment of said board renders them worthy, they may be considered graduates in course, and shall be entitled to diplomas accordingly on paying such fee as the corporation shall affix, which fee, however, shall in no case exceed the tuition bills of the full course of studies in said institution; said examination board may not exceed the number of ten, three of whom may transact business, provided one be of the faculty.

SECTION IX. Should the corporation at any time act contrary to the provisions of this charter, or fail to comply with the same, upon complaint being made to the Circuit Court of Cook County, a *scire facias* shall issue, and the circuit attorney shall prosecute in behalf of the people of this state for forfeiture of this charter.

This act shall be a public act, and shall be construed liberally in all courts, for the purposes herein expressed.

The charter thus granted was amended by an act approved February 14, 1855, which reads as follows:

SECTION I. *Be it enacted by the People of the State of Illinois, represented in the General Assembly:* That John L. Smith, Aaron Wood, Luther Taylor and Wm. Graham, and such other persons as shall be elected to succeed them by the Northwestern Indiana Conference of the Methodist Episcopal Church, be, and they are hereby, constituted members of the Board of Trustees of the Northwestern University.

SECTION II. No spirituous, vinous, or fermented liquors shall be sold, under license or otherwise, within four miles of the location of said University, except for medicinal, mechanical, and sacramental purposes, under penalty of twenty-five dollars for each offense, to be recovered before any Justice of the Peace of said County of Cook: *Provided*, that so much of this act as relates to the sale of intoxicating drinks within four miles may be repealed by the General Assembly whenever they may think proper.

SECTION III. The said incorporation shall have power to take, hold, use and manage, lease and dispose of all such property as may in any manner come to said corporation charged with any trust or trusts, in conformity with such trusts and directions, and to execute all such trusts as may be confided to it.

SECTION IV. That all property of whatever kind or description, belonging to or owned by said corporation, shall be forever free from taxation for any and all purposes.

SECTION V. This act shall be public, and take effect from and after its passage.

The charter was again amended by an act approved February 16, 1861, which reads as follows:

SECTION I. *Be it enacted by the People of the State of Illinois, represented in the General Assembly:* That the Annual Conferences of the Methodist Episcopal Church, which now are or may hereafter be authorized to elect or appoint Trustees of said University, shall hereafter elect only two Trustees each, who shall also be and perform the duties of the visitors to said institution, and the place of the two Trustees last appointed by each conference is hereby vacated. The Trustees elected by such conferences shall hereafter hold their office for two years, and until their successors are chosen, the term of one elected by each of them expiring annually. In case any conference having authority to elect Trustees shall now or hereafter be

divided into two or more annual conferences, they shall each have authority to elect Trustees. On the request of the Board of Trustees, made at a regular meeting, any such Annual Conference may elect Trustees as herein provided.

SECTION II. Any annual conference electing Trustees as herein provided, having at any time refused to elect successors thereto, or resolving to discontinue or refuse its patronage to said institution, shall authorize the Board of Trustees, by a vote of the majority thereof at any regular meeting, to declare vacant the place of all Trustees appointed by such conference, and its right to appoint Trustees shall thereupon cease.

SECTION III. Any chartered institution of learning may become a department of this University by agreement between the Boards of Trustees of the two institutions.

SECTION IV. This act shall take effect and be in force from and after its passage.

A third amendment was made by an act approved February 23, 1867, which reads as follows:

SECTION I. *Be it enacted by the People of the State of Illinois, represented in the General Assembly:* That the name of that Corporation created by act of the General Assembly of the State of Illinois, approved on the 28th day of January, A.D. 1851, under the name of the "Trustees of the Northwestern University," be and the same is hereby changed to "Northwestern University," and by that name shall hereafter be known, and in and by such name shall have and exercise all the powers and immunities conferred on said corporation by said act of incorporation, and all acts amendatory thereof.

SECTION II. In addition to the number of Trustees heretofore provided for by law, the Board may elect any number, not exceeding twenty-four, and without reference to their several places of residence; and a majority of the whole Board shall be members of the Methodist Episcopal Church.

SECTION III. No greater number shall be required to constitute a quorum than has been heretofore required by law: *Provided*, that in all called meetings of the Board the object of the meeting shall be particularly specified in the notice to be previously given to each Trustee.

SECTION IV. This act shall be a public act, and in force from and after its passage.

UNIVERSITY STATUTES.

The following statutes have been adopted by the Trustees:

PRESIDENT. The President of the University shall be the head of the educational departments of the University, and of each of them.

He shall see that all the rules and regulations prescribed by the Board of Trustees or the Executive Committee for the government of the University are faithfully observed. He shall exercise such general executive powers as are necessary to the good government of the University and the protection of its interests, and which are not otherwise provided for.

It shall be his duty to nominate to the Board officers of instruction, except as otherwise provided, and to see that all officers of instruction are doing a proper amount and a satisfactory quality of work.

He shall prepare an annual report on the condition and needs of the University, shall cause the same to be printed, and shall send a copy to each member of the Board prior to its annual meeting.

He shall be, whenever present, the presiding officer of the Faculty of any College or School of the University. He shall have the right of a deciding vote in case of a tie. He shall appoint all committees provided for by the Faculty, unless otherwise ordered, and shall call extra meetings of any Faculty, whenever, in his judgment, such meetings may be called for by the welfare of the University.

OFFICERS. The officers of instruction in the University shall have designation and preference as follows:

1. Professors.
2. Acting Professors.
3. Associate Professors.
4. Assistant Professors.
5. Instructors.
6. Tutors.
7. Lecturers.
8. Such other subordinate officers as may be from time to time appointed.

FACULTIES. The Faculty of any College or School shall be constituted of officers of instruction who are above the rank of Tutor.

Each department of study shall be under the supervision of a Professor or Acting Professor, who shall be the head of the department, and who, subject to the direction of the Faculty, shall have final decision in all matters relating to the work of the department.

In case there shall be two or more officers having the rank of Professor in any department, the one first appointed shall have precedence.

Each Faculty shall have power to determine the requirements for the admission of students to such departments of the University as are under its jurisdiction; to prescribe and define the various courses of study for undergraduate and graduate students; to determine, subject to revision by the Board of Trustees, the requirements for such degrees as are offered to students under its jurisdiction; to enact and enforce such rules for the guidance and government of its own students as it may deem best adapted to the interests of the University.

There shall be elected by the Board of Trustees, or the Executive Committee, a Dean of each School or College, whose duty it shall be to preside at all meetings of the Faculty of such School or College in the absence of the President of the University. He shall annually submit to the President of the University, not later than June 1, a report of the work of the School or College to which he belongs, with such recommendations as he may deem advisable, and the reports so made may be made a part of the President's annual report to the Board of Trustees.

Each Faculty may present at any meeting of the Board or of the Executive Committee a report of any matters concerning the interests of its School or College, which report shall be transmitted through the President of the University.

No officer in the University shall absent himself from the discharge of his proper duties in the University longer than three college days at any one time without securing the previous consent of the President of the University, or of the Dean of the School to which said officer of instruction belongs; but this rule shall not be applied in case of absence occasioned by sickness or death of relatives.

A Committee for the Regulation of Athletic Sports shall hereafter be annually appointed and chosen as follows: Three members of the University Faculties and three alumni of the University, these six to be appointed by the Executive Committee; and also three undergraduates, to be chosen during the first week of the College of Liberal Arts year by the Athletic Association. This committee shall have entire supervision and control of all athletic exercises within and without the precincts of the University, subject to the authority of the Faculty of Liberal Arts.

Duties and Discipline of Students. All students are required to obey the rules of the University, to comply with the rules and regulations made by the Faculty of the School or College

to which they belong, and to conduct themselves at all times with decorum and propriety.

Any student who is sent for by the President or any officer of instruction of the Faculty under which he is enrolled shall comply with the call without delay, and students must at all times obey the directions of the President or any officer of instruction in the School or College to which they belong, pertaining to good order in the institution.

A student may be suspended, dismissed, or expelled by a vote of two-thirds of the Professors of the Faculty of the School or College in which he is a member, provided always that, prior to such contemplated suspension, dismission, or expulsion, he be granted the right to a full and impartial hearing before the Faculty, and in all cases of discipline contemplating suspension, dismission, or expulsion the vote shall be by ballot. In the Academy this power of discipline shall belong to the Faculty of Liberal Arts.

Concerted absence from any appointed duty by a class, or by any number of students together, will be regarded as a violation of good order, and will be followed by suspension, dismission, or expulsion, at the discretion of the Faculty.

When any Faculty shall become satisfied that a student is not fulfilling the purpose of his residence at the University, or is for any cause an unfit member thereof, the President shall notify his parents or guardians, that they may have an opportunity to withdraw him, and if he is not withdrawn within a reasonable time he shall be dismissed.

Students or societies in the University are forbidden to invite any lecturer to address them in public until the name of the proposed lecturer shall have been presented to the President of the University, or to the Dean of the School to which such students or societies belong, and his permission to extend the invitation has been obtained.

Publication by any student or students of any paper or production bearing the name of the University, or purporting to issue from it, is forbidden, unless the publication is previously approved by the President.

Women students in the College of Liberal Arts or in the Academy, who are not residents of Evanston, are required to live in Woman's Hall or in the College Cottage, unless special permission shall be granted them to live elsewhere. Application for such permission shall be determined by a committee which shall consist of the President of the University, the Principal of the Academy, the Principal of Woman's Hall, and the Business Agent of the University.

Excursions upon Lake Michigan in steamers or other vessels by bodies of students in departments of the University situated in Evanston, shall not be planned or carried out without the consent of the President, or the Executive Committee, which consent shall not be given until all possible precautions for the safety of the excursion party have been taken under the direction of a competent University representative.

The Oxford cap and gown shall be worn as an official dress at Commencement.

Graduation. All degrees in this institution, except honorary degrees, shall be conferred by the Board of Trustees on the recommendation of the proper Faculty; honorary degrees may be conferred upon the recommendation of the University Council.

Prior to the Commencement of any School or College, the Faculty thereof shall report to the Board of Trustees, if that Board is in session, the names in full and the places of residence of all students whom they shall recommend for degrees, whereupon the Board shall, in its discretion, pass a resolution to confer the same. In case the Board shall not be in session, the Faculty shall report the names as aforesaid to the Executive Committee of the Board of Trustees, who shall recommend that the President confer the degrees and report the same to the Board of Trustees for its approval.

For the recommendation of students to degrees by the different Faculties, all votes shall be by ballot. All candidates for degrees, except honorary degrees, shall be personally present at Commencement exercises, unless the Board or Executive Committee, on the recommendation of the appropriate Faculty, shall deem it proper to confer the degree in the absence of the candidate; and the candidate shall perform such public duties on Commencement day as the Faculty may designate.

The name of no person shall be presented for a degree till all his dues to the University are paid. No fee shall be charged for an honorary degree.

All degrees shall be conferred by the President on the authority of the Board of Trustees.

No duplicate diplomas shall be granted to graduates of the University without such proof of the loss of the original by affidavit or otherwise as shall be satisfactory to the Executive Committee.

The University Council. The President of the University, together with the Dean of each Faculty, and another member thereof elected annually by the Faculty, shall constitute the University Council.

The University Council shall meet on the day preceding the

annual meeting of the Board of Trustees, and at such other times as the President of the University may designate.

The University Council may consider such matters as pertain to the interests of the University as a whole, and may make recommendations concerning the same to the Board of Trustees.

The University Council may recommend to the Board of Trustees the person or persons upon whom they think it desirable that honorary degrees should be conferred.

COLLEGE OF LIBERAL ARTS.

FACULTY.

HENRY WADE ROGERS, LL.D., PRESIDENT.

DANIEL BONBRIGHT, LL.D., *Dean, John Evans Professor of Latin Language and Literature.*

HERBERT FRANKLIN FISK, D.D., LL.D., *Professor of Pedagogics.*

ROBERT MCLEAN CUMNOCK, A.M., *Professor of Rhetoric and Elocution.*

ROBERT BAIRD, A.M., *Professor of Greek.*

CHARLES WILLIAM PEARSON, A.M., *Professor of English Literature.*

ROBERT DICKINSON SHEPPARD, A.M., D.D., *Professor of English and American History.*

ABRAM VAN EPS YOUNG, PH.B., *Professor of Chemistry.*

GEORGE WASHINGTON HOUGH, LL.D., *Professor of Astronomy and Director of Dearborn Observatory.*

JAMES TAFT HATFIELD, PH.D., *Professor of German Language and Literature.*

CHARLES BEACH ATWELL, PH.M., *Registrar, Professor of Botany.*

HENRY CREW, PH.D., *Fayerweather Professor of Physics.*

J. SCOTT CLARK, LIT.D., *Professor of English Language.*

JOHN HENRY GRAY, PH.D., *Professor of Political Science.*

PETER CHRISTIAN LUTKIN, *Professor of Music.*

GEORGE ALBERT COE, PH.D., *Secretary, John Evans Professor of Moral and Intellectual Philosophy.*

CHARLES HORSWELL, PH.D., *Professor of Hebrew Language and Literature.*

ALJA ROBINSON CROOK, PH.D., *Professor of Mineralogy and Economic Geology.*

HENRY SEELY WHITE, PH.D., *Noyes Professor of Pure Mathematics.*

THOMAS FRANKLIN HOLGATE, PH.D., *Professor of Applied Mathematics.*

WILLIAM CALDWELL, SC.D., *Professor of Ethics and Social Philosophy.*

WILLIAM ALBERT LOCY, PH.D., *Professor of Zoölogy.*

CHARLES JOSEPH LITTLE, D.D., LL.D., *Professor of Church History.*

CHARLES FREDERICK BRADLEY, A.M., D.D., *Professor of New Testament Greek.*

GEORGE OLIVER CURME, A.M., *Professor of Germanic Philology.*

James Alton James, Ph.D., *Professor of the History of Continental Europe.*
Edouard Baillot, B.S., *Professor of Romance Languages.*
Amos William Patten, A.M., D.D., *Professor of Biblical Instruction.*
Ulysses Sherman Grant, Ph.D., *Acting Professor of Geology, William Deering Foundation.*
*Willard Kimball Clement, Ph.D., *Acting Professor of Latin.*
John Adams Scott, Ph.D., *Associate Professor of Greek.*
†Henry Cohn, A.M., *Assistant Professor of German.*
‡Anna Maude Bowen, Ph.D., *Acting Dean of Women and Assistant Professor of English Literature.*
Albert Ericson, A.M., *Instructor in the Swedish Language.*
Nels Edward Simonsen, A.M., D.D., *Instructor in the Norwegian and Danish Languages.*
Mary Freeman, A.M., *Instructor in French.*
Herbert Govert Keppel, A.M., *Instructor in Mathematics.*
Omera Floyd Long, Ph.D., *Instructor in Latin.*
§Arthur Herbert Wilde, A.B., B.D., *Instructor in History.*
Henry Le Daum, A.B., *Instructor in French.*
Henry Freeman Stecker, Ph.D., *Instructor in Mathematics.*
Horace Snyder, Ph.D., *Instructor in Physics.*
Samuel Debenham Gloss, B.S., *Instructor in Chemistry.*
Edwin A. Greenlaw, A.M., *Instructor in English and English Literature.*
Charles Hill, Ph.D., *Instructor in Zoölogy.*
Louis Merrick Ward, B.L., *Instructor in History.*
Roy Caston Flickinger, A.B., *Instructor in Greek.*
Charles Augustus Eggert, Ph.D., *Instructor in German.*
Anna Neiglick, M.S., *Assistant in Zoölogy.*
Olin Clay Kellogg, Ph.D., *Assistant in English.*
Paul Gustav Adolf Busse, A.B., *Assistant in German.*
Georg Edward, *Assistant in German.*

STANDING COMMITTEES.

Joint Committee on College Ethics:—The President, Deans Bonbright, Bowen and Miller, Professors Fisk, Baird, Young, Patten.
Board of Examiners:—Professor White, Dean Bonbright, Professors Baird, Crew, Baillot, Curme.
Advanced Standing:—Professors Locy, Hatfield, Clark.

*April, May, June, 1900.
†Died March 21, 1900.
‡Died, January 28, 1900.
§Absent on leave.

Graduate Study:—Professors CREW, LOCY, SCOTT.
Undergraduate Study:—Professors YOUNG, COE, HATFIELD.
Special Students:—Professors PEARSON, CALDWELL, GRAY.
Delinquent Students:—Professors HOLGATE, JAMES, Dean BOWEN.
Admission Requirements:—Professors CURME, HOUGH, BAIRD, HOLGATE, CREW.
Registration:—Professors ATWELL, BAIRD, GRANT.
Accredited Schools:—Professors JAMES, ATWELL, FISK, GRAY, CREW.
Academy:—Professors FISK, CREW, CLARK.
Library:—Dean BONBRIGHT, Professors YOUNG, LOCY.
Chapel:—Professors BAIRD, PATTEN, CROOK.
Fellowships, Scholarships, and Charitable Funds:—Professors FISK, CALDWELL, GRAY.
Regulation of Athletic Sports:—Professors YOUNG, WHITE, LOCY.
Musical Organizations:—Professors HATFIELD, CROOK, LUTKIN.
Social Affairs:—Professors YOUNG, FISK, ATWELL, LUTKIN, Deans BOWEN and MILLER.
Publications:—Professors BAILLOT, ATWELL, CALDWELL, CROOK, GRANT.
Catalogue:—The PRESIDENT, The REGISTRAR, Professor LOCY.

CONSULTATION HOURS.

The PRESIDENT, Daily, except Saturdays, 10 to 11, Room 1, U. H.*
The DEAN, - Tuesdays and Thursdays, 11, Room 14, U. H.
The REGISTRAR, Daily, except Saturdays, 9 to 10, Room 2, U. H.
Professor FISK, - - Daily, 11 to 12:30, Room 1, Fisk Hall.
Professor CUMNOCK, Mondays and Tuesdays, 2, Room 1, Swift Hall.
Professor BAIRD, - Mondays and Fridays, 4, Room 12, U. H.
Professor PEARSON, - - Daily, 10 to 10:30, Room 17, U. H.
Professor SHEPPARD, Mondays, Wednesdays, and Fridays, 4, Room 9, U. H.
Professor YOUNG, - - Daily, 11 to 12, Room 21, W. S. H.†
Professor HOUGH, Tuesdays and Thursdays, 3, Room 4, E. S. H.†
Professor HATFIELD, Mondays, Wednesdays, and Fridays, 11 to 12, Room 26, Library.
Professor CREW, - - Daily, 9 to 11, Room 10, E. S. H.
Professor CLARK, - - - Daily, 9, Room 17, U. H.
Professor GRAY, Mondays, Wednesdays, and Fridays, 9 to 9:45; Tuesdays, 4 to 5, Room 30, Library.
Professor LUTKIN, Mondays, Tuesdays, Wednesdays, and Thursdays, 4:30, Music Hall.

* U. H. is used to designate University Hall.
† W. S. H. is used to designate the west wing of Science Hall, and E. S. H. refers to the east wing of the same building.

Professor Coe, Mondays, Wednesdays, and Fridays, 3 to 3:30; Tuesdays and Thursdays, to be announced, Room 29, Library.
Professor Horswell, Tuesdays and Thursdays, 4, Room 10, Memorial Hall.
Professor Crook, - - - Daily, 8 to 9, Room 7, W. S. H.
Professor White, Tuesdays and Thursdays, 4, Room 4, U. H.
Professor Holgate, Tuesdays and Thursdays, 9, Room 4, U. H.
Professor Caldwell, - Tuesdays, 4 to 5, Thursdays, 11 to 12, Room 15, Library.
Professor Locy, Tuesdays and Thursdays, 10 to 11, Room 25, U. H.
Professor Curme, Mondays, 8:30 to 9; Wednesdays, 10, Room 4, Library.
Professor Baillot, Mondays and Wednesdays, 3 to 4, Room 13, U. H.
Professor James, Tuesdays, 4 to 5; Fridays, 11 to 12, Room 9, U. H.
Professor Bradley, Mondays, Wednesdays, and Thursdays, 12:15, Memorial Hall.
Professor Patten, Daily, except Mondays and Saturdays, 11, Room 1, O. A.*
Acting Professor Grant, Mondays, Wednesdays, Thursdays, Fridays, 11 to 12, Room 18, U. H.
Associate Professor Scott, - - Daily, 10 to 11, Room 3, Library.
Rev. Mr. Ericson, - - Daily, 3 to 5, Swedish Seminary.
Dr. Simonsen, - - - - - Daily, 10, Memorial Hall.
Miss Freeman, - - - - - Daily, 9 to 10, Room 13, U. H.
Mr. Keppel, - - Monday and Wednesday, 9, Room 4, U. H.
Dr. Long, - - - Monday and Friday, 4, Room 6, Lunt.
Dr. Stecker, - - - - - Wednesday, 2, Room 4, U. H.
Mr. Le Daum, - - - - - Daily, 3 to 4, Room 6, U. H.
Mr. Greenlaw, - - Wednesday, 11 to 12, Room 17, U. H.
Dr. Snyder, - - - - Daily, 2 to 4, Room 9, E. S. H.

CANDIDATES FOR ADMISSION.

Candidates for admission to the College of Liberal Arts must be at least sixteen years of age, and must present to the Registrar satisfactory evidence of good moral character, together with credentials from their last instructors, or from the institution in which they were prepared. They must pay the matriculation fee before taking the entrance examinations.

*O. A. is used to designate Old Academy.

ADMISSION OF CANDIDATES FOR A DEGREE.

Candidates for admission as regular students must show, either by examination or by a certificate from an accredited school, satisfactory evidence of preparation in the following subjects—namely:

(1) All the units described under Group A.

(2) Four units from Group B.

(3) Three additional units from Groups B or C.

Of these additional units not more than *one* can be in History nor more than *two* in Science.

A single year of a modern language will be accepted as an entrance unit only on condition that the candidate shall continue the study of that language through a second year. [Beginning in September, 1902, this regulation will apply also to Greek and Latin.]

NOTE.—Until September, 1902, *four* units of Latin and *two* units selected from Nos. 21, 22, 23, 24, 25, 26 of Group C will be accepted as satisfying requirements (2) and (3) above.

In special cases, where candidates are unable to meet the requirements relating to specific subjects but can present the full equivalent of the *total* requirement for admission, they may by vote of the Faculty or the Board of Examiners be admitted as regular students; but this regulation does not release a candidate for a degree from any of the specified studies required for that degree, as described on pages 66 and 67.

SUBJECTS WHICH MAY BE PRESENTED FOR ENTRANCE CREDIT.

The subjects which may be presented for admission to the College of Liberal Arts are described on the following pages and are arranged in four groups, A, B, C, and D. The items in the several groups indicate both the amount of work to be covered and the time to be devoted to the subject in a good secondary school, in order to secure a unit of credit.

The requirements as here stated are different in some respects from those previously announced and will come into

full force and effect in September, 1902. Until that date candidates may qualify either under these or under the old regulations, as may best suit their convenience.

Wherever necessary, notes have been added to indicate in what respects the old regulations differ from those here announced.

GROUP A.

1. *English Language*—All students applying for admission to the College of Liberal Arts will be subjected to an examination in elementary English, without regard to any diplomas or certificates that they may hold. This examination will be given *in June and again in September* on the dates assigned for entrance examination in the calendar. It will cover spelling, capitalization, paragraphing, italicising, and the use of quotation-marks. Candidates will be expected to show, by an original composition on some simple subject prescribed at the time, a fair knowledge of grammatical construction and of good literary form. They will also be expected to present evidence that they have each written, before entering college, *at least eight exercises of at least three hundred words each.* Such evidence may consist of the exercises themselves, presented for inspection by the examiner, or of certificates from instructors in English in secondary schools. As to the character of the exercises required for preparation, paraphrases of standard prose or poetry are preferred; descriptions of scenes or objects actually witnessed by the writers, narrations based on personal experiences, and arguments on specific questions will be accepted; rambling expository essays on broad general themes are not acceptable. Students who cannot present evidence of such preliminary practice in composition may enter conditionally in accordance with the limits elsewhere expressed in regard to entrance conditions; but no student will be admitted to any college course in the English language until he shall have fulfilled the entrance conditions. *Time requirement, two hours a week throughout one year.*

2. *English Literature*—The examination in English Literature will be conducted as follows:

I. Reading—A certain number of books will be set for reading. The candidate will be required to present evidence of a general knowledge of the subject-matter, and to answer simple questions on the lives of the authors. The form of examination will usually be the writing of a paragraph or two on each of several topics, to be chosen by the candidate from a considerable number—perhaps ten or fifteen—set before him in the examination paper. The treatment

of these topics is designed to test the candidate's power of clear and accurate expression, and will call for only a general knowledge of the substance of the books. In place of a part or the whole of this test, the candidate may present an exercise book, properly certified by his instructor, containing compositions or other written work done in connection with the reading of the books.

The books set for this part of the examination will be:

1900: Dryden's Palamon and Arcite; Pope's Iliad, Books I, VI, XXII and XXIV; the Sir Roger de Coverley Papers; Goldsmith's Vicar of Wakefield; Scott's Ivanhoe; De Quincey's Flight of a Tartar Tribe; Cooper's Last of the Mohicans; Tennyson's Princess; Lowell's Vision of Sir Launfal.

1901 and 1902: Shakespeare's Merchant of Venice; Pope's Iliad, Books I, VI, XXII and XXIV; the Sir Roger de Coverley Papers in the Spectator; Goldsmith's Vicar of Wakefield; Coleridge's Ancient Mariner; Scott's Ivanhoe; Cooper's Last of the Mohicans; Lowell's Vision of Sir Launfal; George Eliot's Silas Marner.

1903, 1904, 1905: Shakespeare's Merchant of Venice and Julius Cæsar; the Sir Roger de Coverley Papers in the Spectator; Goldsmith's Vicar of Wakefield; Coleridge's Ancient Mariner; Scott's Ivanhoe; Carlyle's Essay on Burns; Tennyson's The Princess; Lowell's The Vision of Sir Launfal; George Eliot's Silas Marner.

II. Study and Practice—This part of the examination presupposes the thorough study of each of the works named below. The examination will be upon the subject-matter, form, and structure.

The books set for this part of the examination will be:

1900: Macbeth; Paradise Lost, Books I and II; Burke's Speech on Conciliation with America; Macaulay's Essays on Milton and Addison.

1901 and 1902: Shakespeare's Macbeth; Milton's L'Allegro, Il Penseroso, Comus and Lycidas; Burke's Conciliation with America; Macaulay's Essays on Milton and Addison.

1903, 1904, 1905: Shakespeare's Macbeth; Milton's L'Allegro, Il Penseroso, Comus and Lycidas; Burke's Conciliation with America; Macaulay's Essays on Milton and Addison.

3. *Mathematics*—Algebra, including factoring, common divisors and multiples, fractions, simple equations of one or more unknown quantities, involution, evolution, theory of exponents, radicals and equations involving radicals, quadratic equations with one or two unknown quantities, and equations solved like quadratics. Special attention should be given to the statement of problems in the form of equations. Geometry, plane and solid, including the solution of a large number of numerical problems and exercises.

It is recommended that the work in Mathematics in preparation

for college be extended over the whole four years of the high school course, and especially that at least two hours a week be given to this subject in the last year. A good arrangement is the following: First year, four hours a week, algebra; second year, four hours a week, plane geometry; third year, two hours a week, solid geometry; fourth year, two hours a week, algebra, reviewing and making a thorough study of quadratic equations and radicals. *Time requirement, the equivalent of five hours a week throughout two years.*

4. *History*—Ancient History with special reference to Greece and Rome, Myer's Ancient History, or an equivalent, with supplementary reading. *Time requirement, four or five hours a week throughout one year.*

NOTE 1.—If a candidate cannot present a year of Ancient History, he may substitute for it either No. 27, 28, or 29, as described under Group C, or a year of General History, Myer's, or an equivalent.

NOTE 2.—Until September, 1902, two terms, five hours a week, of Ancient or General History and one term of United States History will be accepted as satisfying this requirement.

5. *Physiography*—A study of the subjects usually given in courses in physical geography—the earth as a planet, the atmosphere, climate, the ocean, and the land. Emphasis is to be placed upon the land, especially upon the topographic features, their origin and their significance. Some modern text-book, such as Davis's Physical Geography or Tarr's Elementary Physical Geography, should form the basis for the course, and the text-book should be supplemented by the study of maps, of models, and of the features of the earth's surface in the vicinity of the school. *Time requirement, four or five hours a week, throughout one year.*

NOTE 1.—If a candidate cannot present a year of Physiography, he may substitute for it either a year of Physics (No. 22), a year of Biology (No. 23, 24, or 25), or a year of Chemistry (No. 26).

NOTE 2.—Until September, 1902, one term, five hours a week, of Physical Geography and one term of Human Physiology and Anatomy will be accepted as satisfying this requirement.

GROUP B.

8. *Greek*—(*a*) Grammar, White's First Greek Book, or an equivalent. *Time requirement, four or five hours a week throughout one year.*

9. *Greek*—(*b*) Xenophon's Anabasis, Books I, II and III; Jones's Greek Prose Composition, or an equivalent. Thirty lessons. *Time requirement, four or five hours a week throughout one year.*

10. *Greek*—(*c*) Anabasis, Book IV, Prose Composition, lessons thirty to forty. Homer, Iliad or Odyssey, 1,800 lines. *Time requirement, four or five hours a week throughout one year.*

11. *Latin*—(*a*) Grammar; Cæsar's Gallic War, ten pages, or

twenty pages of Viri Romæ, with retranslation of English into Latin. *Time requirement, five hours a week throughout one year.*

12. *Latin*—(*b*) Cæsar's Gallic War, four books completed: or Viri Romæ, completed; Latin Composition. *Time requirement, five hours a week throughout one year.*

13. *Latin*—(*c*) Cicero, six orations, including the Manilian Law; Latin Composition. *Time requirement, five hours a week throughout one year.*

14. *Latin*—(*d*) Vergil, eight books of the Æneid, or six books of the Æneid and the Bucolics. *Time requirement, five hours a week throughout one year.*

15. *French*—(*a*) Correct pronunciation; elementary grammar, with exercises, including the irregular verbs; the reading of from one hundred and fifty to two hundred pages of easy French prose. *Time requirement, five hours a week throughout one year.*

16. *French*—(*b*) Elementary grammar completed; easy composition, based upon one of the works read; correct pronunciation; the reading of two hundred and fifty to three hundred pages of French prose. *Time requirement, five hours a week throughout one year.*

17. *French*—(*c*) Study of the difficulties of French syntax and idioms; translations into French from text-book and easy original compositions; the reading of not less than six hundred pages of at least five standard authors; ability to take grammatical dictations and to understand and answer questions in French. *Time requirement, four or five hours a week throughout one year.*

18. *German*—(*a*) Pronunciation; the memorizing and use of easy colloquial sentences; the rudiments of grammar (inflection of the articles, ordinary nouns, adjectives, pronouns, weak verbs, and the more usual strong verbs; the use of the more common prepositions; the simpler uses of the modal auxiliaries and the elementary rules of syntax and word-order); abundant easy exercises; the reading of seventy-five to one hundred pages of graduated texts. *Time requirement, four or five hours a week throughout one year.*

19. *German*—(*b*) The reading of from one hundred and fifty to two hundred pages of literature in the form of easy stories and plays; translation into German of matter based upon works read; continued drill upon rudiments of grammar. *Time requirement, four or five hours a week throughout one hear.*

20. *German*—(*c*) The reading of about four hundred pages of moderately difficult prose and poetry; retranslation into German; grammatical drill upon the less usual strong verbs; the use of articles, cases, auxiliaries, tenses and modes, word-order and word-formation. *Time requirement, four or five hours a week throughout one year.*

GROUP C.

21. *Mathematics*—Algebra, including ratio and proportion, variation, progressions, permutations and combinations, binomial theorem, logarithms and their application to interest and annuities, introduction to determinants, theory of equations and series, as in Wells's College Algebra or Hall and Knight's Elementary Algebra, or a full equivalent. Plane Trigonometry, including the solution of oblique triangles. Consistent employment of ratio definitions of the trigonometric functions is expected, also the ability to verify numerical computations.

22. *Physics*—Elementary General Physics. Those portions of the subject required are fairly indicated by Crew's Elements of Physics. A majority of the experiments must be quantitative.

23. *General Biology*—One year's study of typical animals and plants by laboratory methods covering the facts of morphology and physiology. This requirement may be met by a course such as that laid down in Boyer's Elementary Biology, or in Colton's Practical Zoölogy, and Bergen's Elements of Botany. In all cases special provision should be made for laboratory work, and accurate notes and drawings should be made by the student. Teachers in accredited schools reporting to the University should designate the quality of the laboratory work as a separate item, in addition to that of the class-room work. This should include not less than one hundred and forty hours of laboratory work and two class-room periods a week throughout one year.

24. *Botany*—One year's study of plants as living organisms, with special regard to function, structure, and relation to environment. Each recitation or quiz period should be preceded by four hours of laboratory work. Elements of Botany, by J. Y. Bergen, is a satisfactory text. Chapter XXIII may be omitted, and work upon classification is not advised. Each pupil should individually perform the experiments and demonstrations, and should keep a neat and accurate notebook showing the work done by himself, and the conclusions reached. Barnes's Plant Life and Coulter's Plants are suggested as supplementary texts.

25. *Zoölogy*—One year's study of animal structure, habits, and general life-history will be accepted as a full item of credit for entrance, provided it has been done by the laboratory method. Conditions for undertaking this work vary too widely to make it desirable to designate either an outline or text-books. Teachers competent to carry on such a course for a full year will have their own method, and the material used will also vary. Colton's Practical Zoölogy and Parker and Haswell's Manual of Zoölogy (the

latter for supplementary reading) will be suggestive. Emphasis should be placed on training in observation and accuracy in drawing and expression in the notebooks. To meet the requirements in this course there should be not less than 150 hours of laboratory work, besides two class-room periods a week throughout the year.

26. *Chemistry*—This course should occupy not less than four periods a week through the year, which should allow at least eight hours of the student's time for the subject. Laboratory work should be made an essential feature of the study, and this may well take one-half the total time assignment. Careful and systematic notes of his individual work should be made by the student. Some work in quantitative experiments is recommended as extremely desirable both for training and in order to illustrate the fundamental laws. Purely descriptive work may better be limited to comparatively few elements and compounds rather than extended to a larger list with resulting confusion to the student.

27. *Mediæval and Modern European History*—Myers's Mediæval History, or an equivalent, with supplementary reading. *Time requirement, four or five hours a week throughout one year.*

28. *English History*—A study of the political and constitutional development of England. *Time requirement, four or five hours a week throughout one year.*

29. *American History and Civil Government*—Channing, Students' History of the United States, or an equivalent. Fiske, Civil Government, or an equivalent. *Time requirement, four or five hours a week throughout one year.*

NOTE.—Candidates are recommended to offer one of the units of History as described above, as it is believed that better educational results are obtained by devoting a full year to one of these periods. But until further notice a unit of credit will be given for a year's work devoted to any two of these divisions, or a unit of credit will be given for a year devoted to General History.

30. *Political Economy*—Macvane's Political Economy, or its equivalent. *Time requirement, four or five hours a week throughout one year.*

GROUP D.

Instead of a full year's work in one science, the equivalent of four terms' work, each of five hours a week, from the subjects in this group will be accepted, until further notice, for one unit of credit under Group C; but students are strongly advised to make choice of one subject and pursue it through the year.

31. *Botany*—A practical knowledge of the general facts of vegetable morphology, physiology and classification, such a course as is outlined in Bergen's Elements of Botany or Boyer's Elementary Biology, Part II.

32. *Zoölogy*—A study of various animal types founded upon

laboratory work such as that prescribed in Part I, Boyer's Elementary Biology.

33. *Physics*—Elements of Physics, Crew's, first four chapters, or an equivalent.

34. *Astronomy*—Young's Elements.

35. *Geology*—Dana's revised Text-book of Geology, or Tarr's Elementary Geology, or an equivalent.

36. *Chemistry*—Remsen's Elementary Course, or an equivalent. It is urgently recommended that laboratory work by the student accompany this study.

37. *Drawing*—Elements of Free-Hand and Geometrical Drawing; such a knowledge of the subject as may be gained by practice under instruction two hours a week through one year.

38. *Human Physiology*—Martin's Human Body, briefer course, or an equivalent.

39. *Physical Geography*—Davis's, or Tarr's, or an equivalent.

40. *History of England*—Montgomery's, or an equivalent.

41. *Civil Government*—Fiske's, or an equivalent.

EXAMINATION FOR ADMISSION.

The regular days of examination for admission to the College of Liberal Arts are the Monday and Tuesday next before Commencement, and the Monday and Tuesday next before the opening of the college year. The first regular examination for the year 1900 will be held on June 11 and 12; the second will be held on September 24 and 25. Candidates may be examined and admitted at other times, if prepared to enter classes at an advanced point in the regular courses. They are advised, however, to enter at the beginning of a year.

Upon the dates above named, examinations will be held in the following order in Room 10, University Hall.

Plan for Entrance Examinations, 1900.

MONDAY, JUNE 11 AND SEPT. 24.

8 A.M., Subjects 8, 9, 10, 15, 16, 17, 32, 41.
10 A.M., Subjects 11, 12, 21, 34, 35.
2 P.M., Subject 4.
3 P.M., Subject 5, 38, 39.
4 P.M., Subjects 22, 33, 36.

TUESDAY, JUNE 12 AND SEPT. 25.

8 A.M., Subject 3.
10 A.M., Subjects 18, 19, 29, 30.
11 A.M., Subjects 13, 14, 20, 23, 26, 28, 31, 40.
2 P.M., Subject 1.
3 P.M., Subject 2.
4 P.M., Subjects 24, 25, 27.

Examinations for admission are held in Evanston at the times above named. By special arrangement with the President, examinations may also be held at St. Paul, Minnesota; Denver, Colorado; Omaha, Nebraska; St. Louis, Missouri; Cincinnati, Ohio; Detroit, Michigan; Portland, Oregon; and San Francisco, California. But in all such cases application must be made to the President prior to June 1st.

CERTIFICATES.

A candidate for admission, whether coming from an accredited school or not, must present to the Board of Examiners a certificate from the principal or school superintendent, recommending him for admission to the University. This certificate must show the studies pursued in the school, the time spent in each, the text-book or manual used, the extent of work covered, the grade of the student's work, and the date (approximate) of the final examination. It will be most convenient to use for this certificate a blank form furnished by the University, and obtained on application from the Registrar.

ADMISSION FROM ACCREDITED SCHOOLS.

Students who come from an accredited academy or high school may be admitted on certificate without examination (except in English), provided they present themselves for admission not later than a year and three months after their graduation. Students admitted on certificates from accredited schools are received upon condition, that if the work of the student in his first semester shall prove unsatisfactory, he may

be required to enter a fitting school and review his preparation in the study in which the failure has occurred.

Candidates applying for admission from accredited schools should have their certificates in the hands of Professor Henry S. White, Chairman of the Board of Examiners, one week prior to the date fixed for examination. The certificates may be forwarded by mail, and should arrive at Evanston on or before June 4, or September 10, 1900, as the case may be.

ACCREDITED SCHOOLS.

School-boards desiring to have their schools placed on the accredited list should make application to the President of the University, who will provide, if practicable, for a proper inspection by committee. The following information will be expected in the letter of application:

a. The names of all the teachers, with a statement both of their preparation for teaching and of their experience in that work.

b. The latest printed catalogue or annual report of the school, containing an outline of the course of study and text-books used.

c. A careful statement of the methods pursued in teaching Mathematics, Language, and the Sciences.

d. The amount and kind of scientific apparatus and the extent of library facilities accessible to students.

The committee of inspection will ordinarily consist of members of the Faculty, but in cases where the school is so distant from the seat of the University as to make this impracticable, other persons may be appointed to perform the work of inspection under the direction of the Faculty.

The schools which are approved by the Faculty after inspection will be placed on the accredited list, and the relation thus established will continue for three years, unless the Faculty within this period becomes satisfied that such changes have occurred as make further inspection desirable.

The following schools are now on the accredited list:

Aurora, East Side High School,	W. C. Hazzard.
Aurora, West Side High School,	Katherine Reynolds.
Austin, High School,	B. F. Buck.
Beloit, Wis., Beloit Academy,	A. W. Burr.

Beloit, Wis., High School,	F. E. Converse.
Belvidere, North Side High School,	Arthur J. Snyder.
Belvidere, South Side High School,	Montgomery Moore.
Bloomington, High School,	E. L. Boyer.
Blue Island, Worth Township High School,	J. E. Lemon.
Charleston, High School,	J. K. Stapleton.
Chicago, Calumet High School,	Avon S. Hall.
Chicago, Englewood High School,	James E. Armstrong.
Chicago, English High & Man'l Training,	Albert R. Robinson.
Chicago, Hyde Park High School,	Charles W. French.
Chicago, Jefferson,	Charles A. Cook.
Chicago, Lake,	Edward F. Stearns.
Chicago, Lake View,	James H. Norton.
Chicago, Marshall,	Louis J. Block.
Chicago, Medill,	Stewart B. Sabin.
Chicago, North Division,	Oliver S. Wescott.
Chicago, Northwest Division,	Franklin P. Fisk.
Chicago, South Chicago,	Charles I. Parker.
Chicago, South Division,	Spencer R. Smith.
Chicago, West Division,	George M. Clayberg.
Chicago, South Side Academy,	Wm. Bishop Owen.
Chicago, University School,	E. C. Coulter.
Clinton, Ia., High School.	E. L. Mason.
Clyde, High School,	H. V. Church.
Council Bluffs, High School,	W. N. Clifford.
Crown Point, Ind., High School,	Elizabeth L. Horney.
Danville, High School,	B. D. Billingshurst.
Des Moines, Ia., West Side High School,	W. O. Riddell.
Des Moines, Ia., North Side High School,	A. W. Brett.
Decatur, High School.	Frank Hamsher.
Denver, Colo., High School,	Wm. F. Smiley.
Dixon, High School,	Charles W. Groves.
Evanston, Township High School,	Henry L. Boltwood.
Evanston, University Academy,	Herbert F. Fisk.
Elgin, Academy,	George N. Sleight.
Elgin, High School,	Earl J. Kelsey.
Epworth, Ia., Epworth Seminary,	F. R. Barnes.
Freeport, High School,	Siegel E. Raines.
Fond du Lac, Wis., High School,	Elizabeth Waters.
Geneseo, High School,	G. A. Ketcham.
Harvey, Thornton Township High School,	J. E. Cable.
Indianapolis, Ind., High School,	George W. Hufford.

Joliet, Township High School, J. Stanley Brown.
Kansas City, Mo., Central High School, Edwin C. White.
Keokuk, Ia., High School, George E. Marshall.
Kewanee, High School, A. C. Rearick.
Kidder, Mo., Kidder Institute, George W. Shaw.
Lake Geneva, Wis., High School, John N. Toster.
LaSalle, Township High School, Charles A. Farnam.
Lanark, High School, Edward S. Hady.
Mattoon, High School, Selden F. Smyser.
Marengo, High School, Lillian Wherry.
Maryville, Mo., Maryville Seminary, George E. Moore.
Milwaukee, Wis., Milwaukee Academy, J. Howard Pratt, Jr.
Milwaukee,Wis., East Side High School, A. J. Rogers.
Milwaukee, South Side High School, S. A. Hooper.
Milwaukee, West Side High School, Charles E. McLenegan.
Minneapolis,Minn.,Central High School, John N. Greer.
Mt. Carroll, High School, Ada M. Griggs.
Muscatine, Ia., High School, E. F. Schall.
Moline, High School, A. R. Crittenden.
Oak Park, High School, John C. Hanna.
Onarga, Grand Prairie Seminary, Fred. C. Demorest.
Orchard Lake, Mich., Military Academy, Col. J. Sumner Rogers.
Oregon, High School, W. J. Sutherland.
Ottawa, Township High School, J. O. Leslie.
Peoria, High School, A. W. Beasley.
Plano, Township High School, J. C. Freebern.
Polo, High School, S. M. Abbott.
Pontiac, Township High School, J. E. Bangs.
Princeton, Township High School, D. O. Barto.
Quincy, High School, Wm. F. Geiger.
Racine, Wis., High School, A. N. Ozias.
Riverside, High School, Willard C. Gore.
Rock Island, High School, J. F. Darby.
Rockford, High School, B. D. Parker.
Sioux City, Ia., High School, W. H. Turnbull.
Sioux Falls, S. D., High School, C. E. Holmes.
Sparta, Wis., High School, F. E. Doty.
Springfield, Township High School, William Helmle.
Sterling, Township High School, O. L. Miller.
Streator, Township High School, S. B. Hurst.
St. Paul, Minn., Cleveland High School, S. A. Farnsworth.
Tuscola, High School, Charles Ammerman.
Warren, Warren Academy, Elmer C. Griffith.
Waukegan, High School, Miriam Besley.

Wheaton, High School,	Webster J. Stebbins.
Whitewater, Wis., High School,	H. A. Whipple.
Wichita, Kas., High School,	Frank R. Dyer.

Schools in California, Michigan, Ohio, Minnesota, Wisconsin, Iowa, Indiana, Nebraska and Kansas that are on the accredited list of the State Universities of their respective states will be recognized as if accredited by this University.

ADMISSION OF SPECIAL STUDENTS.

Persons desiring to pursue studies in the College of Liberal Arts are, as a rule, required to pass the entrance examinations prescribed for candidates for some one of the degrees, as described on previous pages. But under exceptional circumstances persons of serious purpose who are not candidates for a degree may be admitted as special students to pursue selected studies. This privilege, however, is not intended to cover subjects which may be pursued in a secondary school. Any one desiring to be so admitted will be furnished by the Registrar with blank forms of application, which must be filled out and presented to the Committee on Special Students, who will decide upon the advisability of granting the application. Such applications must be accompanied by the regular entrance fee and by evidence of sufficient qualification to carry on the proposed work to advantage. The college work of all students so admitted is under the supervision of the Committee on Special Students.

ADMISSION TO ADVANCED STANDING.

Candidates for advanced standing are not admitted later than September of the collegiate year in which they expect to graduate. All students from other colleges must present evidence of honorable dismissal, and must give satisfactory proof of preparation for the courses which they desire to enter. The amount of college credit to be obtained by certificate from another institution is determined by a standing committee of the Faculty, but no advance credit will be given

without examination except for work done in an approved college.

Candidates for advanced standing coming from other colleges should obtain officially certified credits for the subjects upon which they have passed examinations. These certificates should also state the number of weeks and the hours per week the respective studies were pursued. They should be forwarded, if possible, as early as September 12th, to Professor William A. Locy, Chairman of the Committee on Advanced Standing.

ADMISSION OF WOMEN.

Women have been admitted to the College of Liberal Arts since 1869 on the same conditions as men. They attend the same classes and receive the same degrees as the men. Women students, however, are required to live either in Woman's Hall or in the College Cottage, unless they obtain permission to live elsewhere. If such permission is desired they must make formal application therefor. Blanks for this purpose can be obtained from the Principal of Woman's Hall, or from the Registrar.

For the purpose of giving Woman's Hall the safeguards of a well-ordered home, and of bringing those residing in it as far as possible under family influence, the authorities of the University have committed the immediate oversight of it to a Dean of Women, who lives at the Hall, associates with the residents, and acts toward them at all times as a friend and adviser. It is intended that the Dean shall always be a woman of high character and attainments, who can give suggestions to the young women as to their general culture, advise them in social matters, and give them, in special cases, such counsel as circumstances may require.

For young women who do not wish to incur the expense incident to living at Woman's Hall, provision is made at what is known as the College Cottage. This is in charge of an association of ladies, incorporated as The Woman's Educational Aid Association, whose duty is to canvass the claims of

all applicants for admission, and to have a friendly supervision over them while members of the Cottage family. The ordinary work of the Cottage is done by the young women under the direction of a competent Matron. In this way the expenses of living are materially reduced.

All women students, wherever they reside, are expected to conform to the general regulations prescribed for the conduct of those living at Woman's Hall.

NOTE.—For further information respecting Woman's Hall, letters of inquiry should be addressed to Dean of Women, Woman's Hall, Evanston, Ill.; and for information respecting the College Cottage, letters should be addressed to Mrs. J. A. Pearsons, President of the Woman's Educational Aid Association, Evanston, Ill.

FACULTY ADVISERS.

An undergraduate student on entering college is assigned to some member of the Faculty who is to act as his adviser. He may consult his adviser upon any subject relating to his college life, and he is required to submit his choice of studies to him, and to obtain his approval of the same before completing his registration for college work. As soon as the student makes his choice of the department in which he will do his major work the professor at the head of that department becomes the student's adviser. The time and place at which the adviser may be consulted is announced on the official bulletin-board prior to the beginning of the academic year.

PROGRAMS OF STUDY.

NOTE.—The annual courses designated by capital letters are hereinafter described. The time assignment is in hours a week for a year.

As a condition of graduation, the student is required to complete 120 semester-hours, including the courses prescribed for the degree sought and the major work in at least one department. Four years will usually be necessary for the satisfactory accomplishment of the work. From the various courses of study offered, the student is permitted to make his elections, subject to certain prescribed programs.

Prescribed courses must take precedence of elective courses, and in the order designated in the programs. Modi-

fications of these programs, desirable because of substitutions allowed in entrance requirements, may be made at the time of registration, but the full amount of required work must be completed before graduation. Having begun an elective course, the student will be expected to continue it through the year.

The programs of prescribed year-courses leading to the several degrees, also the hours per week assigned to each, and the years in which they should generally be taken, are given below. In addition, elective work to make a total of fifteen hours a week is required.

For the Degree of Bachelor of Arts.

First Year.—English Language A,	- -	three hours.
Greek A,	- - -	four hours.
Latin A,	- - - -	four hours.
Mathematics, A or AB,	-	four or five hours.
Second Year.—French AA or German AB,	-	five or four hours.
Two of the following three items:		
(1) Greek B,	- -	three hours.
(2) Latin B,	- - -	three hours.
(3) Mathematics B or C,	-	three hours.
Third or Fourth Year.—		
English Literature I,	- -	one hour.
Philosophy E,	- -	one hour.

Note.—For those who enter without Greek, courses AA and AB in Greek (p. 95) become prescribed work, to be completed before taking Greek A. The equivalent of Latin (*a*), (*b*), (*c*) and (*d*), (p. 54) is required for admission to Latin A.

For the Degree of Bachelor of Philosophy.

First Year.—English Language A,	- -	three hours.
French A or German A,	-	four hours.
Greek A or Latin A,	- -	four hours.
Mathematics A or AB,	-	four or five hours.
Second Year.—Two items of the following three:		
(1) French B or German B,	-	three hours.
(2) Greek B or Latin B,	-	three hours.
(3) Mathematics B or C,	-	three hours.
The one of the following courses not already taken:		
French AA, German AB,	-	five or four hours.

Third or Fourth Year.—

English Literature I, - -	one hour.
Philosophy E, - -	one hour.

NOTE.—For those who enter without Greek and desire to elect Greek in the options above indicated, the courses AA and AB in Greek (p. 95) become prescribed work, to be completed before taking Greek A. The equivalent of Latin (*a*), (*b*), (*c*) and (*d*), (p. 54) is required for admission to Latin A. The equivalent of French AA is required for admission to French A, and of German AB for admission to German A.

FOR THE DEGREE OF BACHELOR OF SCIENCE.

First Year.—English Language A, - -	three hours.
French A or German A, -	four hours.
Chemistry A, or Physics A, or Zoölogy A, - - -	four hours.
Mathematics A, - -	four hours.
Mathematics B, through the first semester, - - -	three hours.
Second Year.—The one of the two following items not already taken:	
French A, German A, - -	four hours.
One item from the three following not already taken:	
Chemistry A, Physics A, Zoölogy A, - - -	four hours.
Third or Fourth Year.—	
English Literature I, - -	one hour.
Philosophy E, - -	one hour.

NOTE.—The completion of courses AA and A, in French, or their equivalent; and of courses AB and A, in German, or their equivalent, either before or after admission to college; also of two items from the three sciences named above, is a requirement for this degree. Mathematics AB, five hours, may be substituted for A plus B of the first semester.

FOR THE DEGREE OF BACHELOR OF LETTERS.

First Year.—English Language A, - -	three hours.
French A, - - -	four hours.
German A, - - -	four hours.
Mathematics A or AB, -	four or five hours.
Second Year.—English Language B, - -	two hours.
English Literature A, -	three hours.
English Literature B or C, -	two hours.
French B, - - -	three hours.
German B, - - -	three hours.

Third or Fourth Year.—

Philosophy E, - - one hour.

NOTE.—The completion of courses AA, and A, and B, or their equivalent, in French, and of courses AB, and A, and B, or their equivalent, in German, either in preparation or in college, is a requirement for this degree.

NOTE.—The Faculty have recently recommended that the trustees do not grant the degree of Bachelor of Letters, after the year 1904, and it is expected that the trustees will take action upon the proposal in June, 1900.

COURSES OF INSTRUCTION.

The courses of instruction are subject to change from year to year. Those given during the year 1899–1900 are described below.

The amount of credit towards graduation assigned to each course is expressed by the terms *one hour*, *two hours*, etc., *an hour of credit* being given for the satisfactory completion of work equivalent to one exercise a week during one semester.

The Faculty reserve the right to withdraw, at the beginning of a semester, the offer of any study not chosen by at least six persons.

ASTRONOMY AND METEOROLOGY.

FIRST SEMESTER.

A—*General Astronomy.* 2 hours.

Tuesdays, Thursdays, 2.

Professor HOUGH.

SECOND SEMESTER.

A—*Meteorology.* 2 hours.

Tuesdays, Thursdays, 2.

Professor HOUGH.

THE BIBLE.

FIRST SEMESTER.

A—*Introduction to the English Bible.* 2 hours.

Wednesdays, Fridays, 2.

Professor PATTEN.

Course A aims to give the student an acquaintance with the origin of the Bible Canon; to discuss the genuineness and authenticity of the books of the Bible; to inquire into the

contents of the individual books, and to set forth the various forms of literature therein contained, and also to present the evolution of the English Bible through the various English versions to its present form.

The subject will be presented largely in the form of lectures, with the Revised Version of the English Bible as text-book. There will also be required readings and papers on the various lines of study opened up.

B—*The Synoptic Gospels, based upon Mark.* 2 hours.

Tuesdays, Thursdays, 2.

Professor PATTEN.

In this course the design is to introduce the student to the gospels, making him acquainted with the synoptic problem; placing special emphasis upon the teachings of Jesus, and finding in the historical verity of his person and work the central evidence of Christianity.

Texts: Cambridge Bible for Schools and Colleges. Mark.
Revised Version of the Bible.

C—*Biblical History.* 2 hours.

Wednesdays, Fridays, 3.

Professor PATTEN.

The first part of this course deals with the history of the Hebrews from the Conquest of Canaan to the Fall of the Monarchy, and in connection therewith the Earlier Prophets will be studied. In the second part the Exilian History, the Later Prophets, the Maccabean Period and the Background of the Gospel History will be considered.

Lectures and required readings.
Text-book: Revised Version of the Bible.

D—*The Acts of the Apostles and the Epistles.* 3 hours.

Tuesdays, Wednesdays, Thursdays, 4.

Professor PATTEN.

In this course is a careful study of the Apostolic Period. A general introduction to the Epistles is given, together with the reading of select epistles of Paul.

Text: Cambridge Bible for Schools and Colleges.
Revised Version of the Bible.

E—*History of Religion.* 1 hour.

Tuesdays, 3.

Professor PATTEN.

Offered in 1901-1902.

SECOND SEMESTER.

A—*Introduction to the English Bible.* 2 hours.

Wednesdays, Fridays, 2.

Professor PATTEN.

B—*The Christian Evidences.* 2 hours.

Tuesdays, Thursdays, 2.

Professor PATTEN.

Texts: Row's Manual of the Christian Evidences.
Nash's Ethics and Revelation.
The Revised Version of the Bible.

C—*Biblical History.* 2 hours.

Wednesdays, Fridays, 3.

Professor PATTEN.

D—*The Epistles of Paul.* 3 hours.

Tuesdays, Wednesdays, Thursdays, 4.

Professor PATTEN.

Text: Cambridge Bible for Schools and Colleges.
Revised Version of Bible.

E—*The History of Religion.* 1 hour.

Tuesdays, 3.

Professor PATTEN.

Offered in 1901–1902.

BIOLOGY.

A—*General Biology.*

See statement under BOTANY A below and under ZOÖLOGY A, p. 136.

BOTANY.

FIRST SEMESTER.

A—*Introductory Course.* 3 hours.

Mondays, Wednesdays, Fridays, 2–4.

Professor ATWELL.

The course consists of individual investigation of the morphology and life-cycles of typical plants selected from seven of the more important natural groups. Laboratory work and informal lectures. Atkinson's Elementary Botany.

B—*Cryptogams.* 3 hours.

Tuesdays, Wednesdays, Thursdays, 2–4.

Professor ATWELL.

Comparative morphology of the algæ, fungi, and mosses. Laboratory work and lectures.

For the year 1900–1901 this course will be given on Tuesdays and Thursdays, 2–4, credit two hours.

C—*Physiology and Morphology of Plants.* 2–5 hours.

Daily, 11.

Professor ATWELL.

The course involves original work, and should be preceded by one course in botany or general biology. Extra hours at irregular intervals will be necessary. Five hours of laboratory work a week with quizzes and occasional lectures.

D—*Botanical Club.* 1 hour.

Wednesdays, 4.

Professor ATWELL.

Instructors and advanced students will report and discuss important articles in current botanical literature.

E—*Special Problems.* 1 to 5 hours.

Hours to be arranged.

Professor ATWELL.

For advanced students special work will be laid out in the lines of investigation of the life-history, morphology, and physiology of plants.

SECOND SEMESTER.

A—*Introductory Course.* 3 hours.

Mondays, Wednesdays, Fridays, 2–4.

Professor ATWELL.

The work of the first semester is extended to include the structure and morphology of flowering plants. Attention will be given to systematic botany. Laboratory and field work with recitations and informal lectures.

B—*Ferns and Flowering Plants.* 3 hours.

Tuesdays, Wednesdays, Thursdays, 2–4.

Professor ATWELL.

Comparative morphology of ferns, their allies, and flowering plants. Laboratory work and lectures. Atkinson's Biology of Ferns. For the year 1900–1901 this course will be given on Tuesdays and Thursdays, 2–4, credit two hours.

C—*Physiology and Morphology of Plants.* 2–5 hours.

Daily, 11.

Professor ATWELL.

Experimental laboratory work, lectures and quizzes. The course should be preceded by one course in general botany or biology.

D—*Botanical Club.* 1 hour.

Wednesdays, 4.

Professor ATWELL.

Work of the first semester continued.

E—*Special Problems.* 1 to 5 hours.

Hours to be arranged.

Professor ATWELL.

Special work for advanced students.
Major work: Ten year-hours.

CHEMISTRY.

FIRST SEMESTER.

A—*General Chemistry.* 4 hours.

Section I. Tuesdays, Wednesdays, Thursdays, 1:30–4.
Section II. Mondays, Fridays, 1:30–4.
Tuesdays, Thursdays, 1:30–2:30.

Professor YOUNG and Mr. GLOSS.

Lectures and laboratory work and introduction to Qualitative Analysis.

B—*Qualitative Analysis continued and Organic Chemistry.* 4 hours.

Mondays, Fridays, 1:30–4: Wednesdays, 1:30–4:30.

Professor YOUNG.

Lectures, text and laboratory work.
Course B open to those who have completed A.

C—*Quantitative Analysis, Gravimetric.* 4 hours.

Tuesdays, Thursdays, 1:30–4:30; Wednesdays, 10–12.

Professor YOUNG and Mr. GLOSS.

Course C open to those who have completed A.

D—*Problems in the application of Qualitative and Quantitative Analysis.* 2 hours.

Tuesdays, Thursdays, 10–12.

Professor YOUNG.

Examination especially of water, milk and other foods.
Course D open to those who have completed A, B, and C.

E—*Advanced Course.* 2 hours.

Professor YOUNG.

Students in D and others are offered an additional course of reading on somewhat advanced topics. The work has been based on Ostwald's Outlines of General Chemistry. Major work: A, B, and C.

SECOND SEMESTER.

A—*General Chemistry.* 4 hours.

Section I. Tuesdays, Wednesdays, Thursdays, 1:30–4.
Section II. Mondays, Fridays, 1:30–4; Tuesdays and Thursdays, 1:30–2:30.

Professor YOUNG and Mr. GLOSS.

Lectures and laboratory work, and introduction to Qualitative Analysis.

B—*Qualitative Analysis continued and Organic Chemistry.* 4 hours.

Mondays, Fridays, 1:30–4: Wednesdays, 1:30–4:30.

Professor YOUNG.

Lectures, text and laboratory work.

C—*Quantitative Analysis, Volumetric.* 4 hours.

Tuesdays, Thursdays, 1:30–4:30; Wednesdays, 10–12.

Professor YOUNG and Mr. GLOSS.

Course C open to those who have completed A.

D—*Problems in the application of Qualitative and Quantitative Analysis.* 2 hours.

Tuesdays, Thursdays, 10–12.

Professor YOUNG.

Examination especially of water, milk and other foods.
Course D open to those who have completed A, B, and C.

E—*Advanced Course.* 2 hours.

Professor YOUNG.

Students in D and others are offered an additional course of reading on somewhat advanced topics. The work has been based on Ostwald's Outlines of General Chemistry.

Major work: A, B, and C.

ELOCUTION.

FIRST SEMESTER.

A—*First Course.* 2 hours.

Section I. Mondays, Wednesdays, 4.
Section II. Tuesdays, Thursdays, 4.

Professor CUMNOCK.

Russell's Manual of Elocution and Cumnock's Choice Readings are used. Instruction is given in the management and regulation of the breath; the proper use of the body in the development of vocal energy; the most advanced knowledge of English Phonation; the most approved methods of acquiring distinct articulation; the function of the natural and orotund voices; the application of force, stress, pitch, rate, quantity, and emphasis, and their importance in the dynamics of expressive speech; the use of inflection for the purpose of emphasis and melodious effect; the fundamental principles of Gesture and their application. Specific instruction will be given as to how exhaustion of the body in speaking may be prevented; how sore throat, occasioned by an over-use or wrong use of the vocal organs, may be avoided; how harsh quality of voice may be removed, and pure musical quality acquired, how mannerisms in melody and inflectional forms may be remedied; how awkwardness in gesture may be conquered; what is the best time for vocal practice, and how it should be regulated.

B—*Study of Masterpieces of English Eloquence.* 2 hours.

Section I. Tuesdays, Thursdays, 8.
Section II. Wednesdays, Fridays, 8.

Professor CUMNOCK.

The chief object in Course B is to establish the student in the best literary and elocutionary form, by bringing him in contact with the most perfect models. In the second semester of this course the English of Shakespeare will be studied with the help of Abbott's Shakespearean Grammar.

C—*Principles of Vocal Expression.* 2 hours.

Mondays, Fridays, 9.

Professor CUMNOCK.

Course C is designed especially for the year of graduation. Great stress will be laid upon the acquisition of perfect form

in common reading and oratorical address. The written productions required each semester will be carefully examined, and whenever needed, the class instruction in English style will be supplemented by personal advice and criticism.

D—*Bible, Hymn, and Liturgic Reading.* 2 hours.

Mondays, Fridays, 11.

Professor CUMNOCK.

As a result of the work in Course D, it is expected that the student will have the skill to read, with melodious effect and expressive power, the Bible, hymn book, and liturgy.

SECOND SEMESTER.

A—*Russell's Manual and Cumnock's Choice Reading* continued. 2 hours.

Section I. Mondays, Wednesdays, 4.
Section II. Tuesdays, Thursdays, 4.

Professor CUMNOCK.

B—*Study of Masterpieces of American Eloquence and Shakespeare.* 2 hours.

Section I. Tuesdays, Thursdays, 8.
Section II. Wednesdays, Fridays, 8.

Professor CUMNOCK.

C—*Dramatic and Imaginative Literature.* 2 hours.

Mondays, Fridays, 9.

Professor CUMNOCK.

Instruction in Gestural Expression.

D—*Bible, Hymn, and Liturgic Reading.* 2 hours.

Mondays, Fridays, 11.

Professor CUMNOCK.

THE ENGLISH LANGUAGE.

FIRST SEMESTER.

A—*A Negative Course in Style—Four Essays.* 2 hours.

Section I. Mondays, Wednesdays, 8.
Section II. Tuesdays, Thursdays, 8.

Section III. Mondays, Fridays, 2.
Section IV. Tuesdays, Thursdays, 10.
Section V. Mondays, Wednesdays, 11.

Professor CLARK, Mr. GREENLAW and Dr. KELLOGG.

Beginning in September, 1900, Course A will be a three-hour course.

B—*The Inductive Study of Prose Masterpieces.* 2 hours.

Section I. Tuesdays, Thursdays, 10.
Section II. Tuesdays, Thursdays, 9.

Professor CLARK and Dr. KELLOGG.

C—*A Course in Versification and Criticism.* 2 hours.

Mondays, Thursdays, 11.

Professor CLARK.

D—*A Course in Old English, with the History and Early Grammar.* 2 hours.

Tuesdays, Thursdays, 9.

Assistant Professor BOWEN.

Open to students who have completed Course A and at least one course in German.

E—*A Course in Forensics.* 2 hours.

Section I. Tuesdays, 11.
Section II. Tuesdays, 2.
Section III. Tuesdays, 3.

Professor CLARK and Mr. GREENLAW.

Open to all who have completed Course A, but the number admitted is limited. In case of an excess of applications the instructor reserves the right to select according to the records made by applicants in Course A. A course in Logic (Philosophy A) is required as a preliminary to this course.

F—*A Seminary in the Analysis of English Style.* 2 hours.

Hours to be arranged.

Professor CLARK.

Open only to graduates.

G (Formerly H)—*A Course in Editorial-Writing.*

Wednesdays, Fridays, 10.

Professor CLARK.

Open only to students who have taken courses A and B.

SECOND SEMESTER.

A—*A Course in Rhetorical Imagery and in Synonyms—Four Essays.* 2 hours.

Section I. Mondays, Wednesdays, 8.
Section II. Tuesdays, Thursdays, 8.
Section III. Mondays, Fridays, 2.
Section IV. Tuesdays, Thursdays, 10.
Section V. Mondays, Wednesdays, 11.

Professor CLARK, Mr. GREENLAW and Dr. KELLOGG.

Beginning in September, 1900, Course A will be a three-hour course.

B—*A Course in Paragraphing.* 2 hours.

Section I. Tuesdays, Thursdays, 10.
Section II. Tuesdays, Thursdays, 9.

Professor CLARK and Dr. KELLOGG.

C—*The Inductive Study of Poetic Masterpieces.* 2 hours.

Mondays, 10; Thursdays, 11.

Professor CLARK.

D—*Early and Middle English.* 2 hours.

Tuesdays, Thursdays, 9.

Assistant Professor BOWEN.

E—*Forensics.* 2 hours.

Section I. Tuesdays, 11.
Section II. Tuesdays, 2.
Section III. Tuesdays, 3.

Professor CLARK and Mr. GREENLAW.

F—*A Seminary in the Analysis of Style.* 2 hours.

Hours to be arranged.

Professor CLARK.

Open only to graduates.

G (Formerly H)—*A Course in Editorial-Writing.*

Wednesdays, Fridays, 10.

Professor CLARK.

Open only to students who have taken courses A and B.

Major work: Courses A, B, C, either D or E, and H. Persons so desiring may substitute Greek F (a course in Greek literature in English) or English Bible A for either D or E in their Major work.

ENGLISH LITERATURE.

FIRST SEMESTER.

A—*The History of English Literature from Chaucer to Dryden, 1328-1700.* 3 hours.

Section I. Mondays, Wednesdays, Fridays, 9.
Section II. Tuesdays, Thursdays, Fridays, 9.

Professor PEARSON.

Robertson's History of English Literature, or Morley and Tyler's Manual; lectures and readings from Chaucer, Spenser, Shakespeare and Milton.

B—*The History of American Literature from 1607-1837.* 2 hours.

Section I. Tuesdays, Thursdays, 8.
Section II. Tuesdays, Thursdays, 3.

Mr. GREENLAW.

C—*Longfellow, Lowell.* 2 hours.

Tuesdays, Thursdays, 8.

Professor PEARSON.

Given in alternate years. Omitted in 1900-1901.

D—*The Early English Drama.* 2 hours.

Tuesdays, Thursdays, 11.

Professor PEARSON.

The Miracle and Morality plays; interludes; early comedies and tragedies; the immediate predecessors of Shakespeare.
Given in 1900-1901 and in alternate years.

E—*Narrative and Epic Poetry.* 2 hours.

Tuesdays, Thursdays, 11.

Professor PEARSON.

Early English and Scotch ballads and the poetry of Scott. Given in alternate years. Omitted in 1900-1901.

F—*The Classic Poets.* 2 hours.

Wednesdays, Fridays, 11.

Professor PEARSON.

Pope and his contemporaries and successors. Given in alternate years. Omitted in 1900-1901.

G—*Tennyson.* 2 hours.

Wednesdays, Fridays, 11.

Professor PEARSON.

Given in 1900-1901 and in alternate years.

H—*The Essayists.* 2 hours.

Tuesdays, Thursdays, 8.

Professor PEARSON.

Selected essays will be read from Bacon, Addison, Johnson, Lamb and De Quincey.

Given in 1900–1901 and in alternate years.

I—*Lectures on the History of English and American Literature.* 1 hour.

Mondays, 3.

Professor PEARSON.

A weekly course running through the college year. It is intended as a partial summary of the work of Courses A and B, and is required of all candidates for a degree except those who take Course A. A small amount of collateral reading will be required. Credit for this course will not be given if Course A is also taken.

J—*Byron, Morris, Rossetti.* 2 hours.

Tuesdays, Thursdays, 10.

Assistant Professor BOWEN.

L.—*Carlyle, Ruskin, Kingsley, Emerson, Lowell.* 3 hours.

Mondays, Wednesdays, Fridays, 3.

Assistant Professor BOWEN.

PRIMARILY FOR GRADUATES.

K—*Seminary in English Literature, The Principles of Literary Criticism.* 2 hours.

Hours to be arranged.

Professor PEARSON.

Open to graduates of this University who have made English Literature a major study, or to graduates of other colleges who have done an equivalent amount of work in English Literature, and to undergraduates who have taken three courses in the department and are approved by the instructor.

SECOND SEMESTER.

A—*The History of English Literature from Pope to Wordsworth 1688–1850.* 3 hours.

Section I. Mondays, Wednesdays, Fridays, 9.
Section II. Tuesdays, Thursdays, Fridays, 9.

Professor PEARSON.

Robertson's History of English Literature, or Morley and Tyler's Manual; lectures and readings from Dryden, Pope, Gray, Goldsmith, Cowper, Crabbe, Burns, Coleridge, Keats, Shelley, Byron, Wordsworth, Tennyson, and Browning.

B—*The History of American Literature from 1837–98.* 2 hours.

Section I. Tuesdays, Thursdays, 8.
Section II. Tuesdays, Thursdays, 3.

Mr. GREENLAW.

C—*Whittier, Emerson.* 2 hours.

Tuesdays, Thursdays, 8.

Professor PEARSON.

Given in alternate years. Omitted in 1900–1901.

D—*Selected Historical Dramas, Comedies, and Tragedies of Shakespeare.* 2 hours.

Tuesdays, Thursdays, 11.

Professor PEARSON.

Given in 1900–1901 and in alternate years.

E—*Paradise Lost and Paradise Regained.* 2 hours.

Tuesdays, Thursdays, 11.

Professor PEARSON.

Given in alternate years. Omitted in 1900–1901.

F—*Burns, Wordsworth and Byron.* 2 hours.

Wednesdays, Fridays, 11.

Professor PEARSON.

Given in alternate years. Omitted in 1900–1901.

G—*Browning.* 2 hours.

Wednesdays, Fridays, 11.

Professor PEARSON.

Given in 1900–1901 and in alternate years.

H—*The Essayists.* 2 hours.

Tuesdays, Thursdays, 8.

Professor PEARSON.

Selected essays will be read from Macaulay, Carlyle, Ruskin, Arnold, and Emerson.

Given in 1900–1901 and in alternate years.

I—*Lectures on the History of English and American Literature.* 1 hour.

Mondays, 3.

Professor PEARSON.

A weekly course running through the college year. It is intended as a partial summary of the work of Courses A and B, and is required of all candidates for a degree except those who take Course A. A small amount of collateral reading will be required. Credit for this course will not be given if Course A is also taken.

PRIMARILY FOR GRADUATES.

K—*Seminary in English Literature.* The Principles of Literary Criticism. 2 hours.

Hours to be arranged.

Open to graduates of this University who have made English Literature a major study, or to graduates of other colleges who have done an equivalent amount of work in

English Literature, and to undergraduates who have taken three courses in the department and are approved by the instructor.

Major work: Eleven year-hours, including either A or I.

FRENCH.

FIRST SEMESTER.

AA—*Elementary French.* 5 hours.

Daily—Section I. 8.
Section II. 9.
Section III. 11.
Section IV. 2.

Miss FREEMAN. Mr. LE DAUM.

Grammar (DeBordes). Reader (Whitney). Colomba (Mérimée), begun. Grandgent's Composition, based on Le Siège de Berlin (begun).

A—*Modern French.* 5 hours.

Daily—Section I. 10.
Section II. 11.
Section III. 2.

Four hours a week, beginning September, 1900.

Professor BAILLOT. Miss FREEMAN.

Grandgent: Composition, Parts III, IV and V. Advanced Grammar. Reading. On rend l'Argent (Coppée). Tales from Coppée and Maupassant (Cameron). Contes de Daudet (Freeborn). Le Monde ou l'on s'Ennuie (Pailleron).

Open to all who have completed AA. Classical and Philosophical students may elect this as a four-hour course, omitting the Composition. Scientific students may, in the second term, substitute for Lyrics and Drama a special course in scientific reading.

B—*Classic Literature.* 3 hours.

Mondays, Wednesdays, Fridays, 8 and 9.

Professor BAILLOT.

Composition. (Grandgent.)
Le Cid, Polyeucte, Athalie. Two plays of Molière.
Collateral reading: La Société Française au 17e siècle (Crane). Dictations and short lectures on the classic literature.

C—*General Review of French Literature.* 2 hours.

Tuesdays, Thursdays, 9.

Professor BAILLOT.

Demogeot's French Literature will be used as a text-book and collateral reading is assigned by the instructor.

Courses C and D given in alternate years. Omitted in 1899–1900.

D—*French Romantic School.* 2 hours.

Tuesdays and Thursdays, 8.

Professor BAILLOT.

Lectures on the Precursors of the Romantic School. Recitations from notes.

Representative works of authors of the Romantic School read and discussed in French.

E—*Advanced French.* 2 hours.

Wednesdays, 8, during the year.

Professor BAILLOT.

The topics considered will be closely related to those of Courses C and D; but students will be expected to carry on special studies with prepared papers. For 1899–1900 the assigned topics have been French Dramatists from Dumas to the present day.

SECOND SEMESTER.

AA—*Elementary French.* 5 hours.

Daily—Section I.
Section II.
Section III.
Section IV.

Miss FREEMAN. Mr. LEDAUM.

Grandgent: Composition based on Le Siège de Berlin (completed). Composition based on Colomba.

Colomba (completed). Le Voyage de M. Perrichon. Le Roi des Montagnes. La Cigale chez les Fourmis, or La Poudre aux Yeux.

A—*Modern French.* 5 hours.

Daily—Section I. 10.
Section II. 11.
Section III. 2.

Four hours a week, beginning September, 1900.

Professor BAILLOT. Miss FREEMAN.

Histoire d'un Paysan (Erckmann-Chatrian). Quatre-Vingt-Trieze (Victor Hugo). French Lyrics (Canfield). Le Pater (Coppée). Ruy Blas (Hugo). Private reading: Sans Famille (Malot). Lessons in Idiomatic French (Hennequin). Composition (Grandgent). Essays.

B—*Literature of the Eighteenth Century.* 3 hours.
Mondays, Wednesdays, Fridays, 9.

Professor BAILLOT.

A special study is made of the principal authors of the eighteenth century. This course is a continuation of the first semester, Course B, and is open only to students having had that course. Exercises on French Syntax.

C—*Sixteenth Century Literature.* 2 hours.
Tuesdays, Thursdays, 9.

Professor BAILLOT.

Le Seizième Siècle en France (Darmesteter and Hatzfeld). Collateral reading. Lectures. Omitted in 1899–1900.

D—*Recent French Literature.* 2 hours.
Tuesdays, Thursdays, 9.

Professor BAILLOT

Prose writers and poets of the second half of the century are considered. This course is given in French. Open only to students having had Course B.

E—*Advanced French.* 2 hours.
Wednesdays, 8.

Professor BAILLOT.

The course is a continuation of that given in the first semester.

F—*Old French and Early French Literature.* 1 hour.
Day and hour to be arranged.

Professor BAILLOT.

Open only to students having had Courses B and C or D.

G—*Scientific French.* 5 hours.
Hours to be arranged.

Miss FREEMAN.

Herdler's Scientific French. Articles from scientific periodicals.

H—*Conversation with Private Reading.* 1 hour.

Wednesdays, 2 to 4.

Professor BAILLOT.

Conversation with private reading. Open to those who have had AA, but registration to be subject to the approval of the head of the department.

Le Cercle Français meets on alternate Thursdays at 7:30 p. m., and is open to all students having completed courses AA and A.

J—*Conversation.* 1 hour.

Tuesdays and Thursdays, 9.

Miss FREEMAN.

Le Français Pratique (Bercy). Private Reading. Open to those who have had or are having AA.

Major work: Nine year-hours, besides courses AA and A.

GEOLOGY.

FIRST SEMESTER.

A—*Introduction to Geology.* 3 hours.

Mondays, Wednesdays, Fridays, 10.

Professor GRANT.

A general introduction to the subject, including both physical and historical geology. Lectures, recitations, readings, and the study of specimens and maps.

In this course, and in the other courses in geology, excursions are to be taken into the adjacent country for the study of geological phenomena in the field.

Students expecting to take more than one course in geology should begin with this course, which is also recommended to those who expect to take only one course in this subject. A knowledge of the elements of chemistry will be advantageous to those taking courses in geology.

Given as a four-hour course in 1899–1900.

B—*Elements of Geology.* 1 hour.

Tuesdays, 11.

Professor GRANT.

A briefer introduction to the subject, designed for those who cannot devote the time required for Course A.

C—*Dynamical and Structural Geology.* 2 hours.

Tuesdays, Thursdays, 10.

Professor GRANT.

A more extended study of important topics of dynamical and structural geology. Open to those who have completed or who are taking Course A.

D—*Paleontology.* 2 hours.

Hours to be arranged.

Professor GRANT.

A discussion of the principles of paleontological geology and a study of the more important groups of fossils. Open to those who have completed Course A.

E—*Advanced Course.* 3 to 5 hours.

Hours to be arranged.

Professor GRANT.

Students who have completed Courses A and C may, on consultation with the instructor, take up the study and investigation of some particular subject, or of some limited area. A formal report on the work done is required.

F—*Geological Journal Club.* 1 hour.

Alternate Tuesdays, 4.

Professor GRANT.

FOR GRADUATE STUDENTS.

G—*Pre-Cambrian Geology.* 3 to 10 hours.

Hours to be arranged.

Professor GRANT.

A study and discussion of the principles and methods used in investigating the non-fossiliferous rocks, especial attention being paid to metamorphism.

H—*Research Work.*

Hours and time to be arranged.

Professor GRANT.

Investigation along certain lines, especially the investigation of the geology of some particular area. The results of the work are to be presented in the form of a thesis.

SECOND SEMESTER.

A—*Physiography.* 3 hours.

Mondays, Wednesdays, Fridays, 10.

Professor GRANT.

The subjects usually treated in courses in physical geography are considered, especially the atmosphere and the ocean. The main theme of the course is the earth's surface, and this is studied with reference to the meaning and origin of its features and to the changes now taking place. Illustrations are taken chiefly from the physiographic features of the United States. Topographic maps and models and the topography of the region adjacent to Evanston are studied.

B—*Elements of Geology.* 1 hour.

Tuesdays, 11.

Professor GRANT.

A continuation of the work of the first semester, with special reference to physiographical and historical geology.

C—*Methods of Geological Work.* 2 hours.

Tuesdays, Thursdays, 10.

Professor GRANT.

The object of this course is to familiarize students with the simpler methods of geological work, such as the preparation of maps and sections, recording of observations, etc. A few lectures are given on the original sources of information and on the history of geology. Some special subject, such as glacial geology, is studied in this course, and each student is required to prepare a geological and topographical map of a small area. Owing to the nature of the work, part of the time devoted to this course must be given on afternoons or Saturdays instead of at the hours mentioned above. Open to those who have completed or who are taking Course A.

D—*Historical Geology.* 2 hours.

Hours to be arranged.

Professor GRANT.

A study of historical geology, with special reference to the stratigraphy of the United States, the development of the North American Continent and the life characteristic of the different periods. Open to those who have completed Course A.

E—*Advanced Course.* 3 to 5 hours.

Hours to be arranged.

Professor GRANT.

A continuation of the work of the first semester.

F—*Geological Journal Club.* 1 hour.

Alternate Tuesdays, 4.

Professor GRANT.

FOR GRADUATE STUDENTS.

G—*Geology of the Lake Superior Region.* 3 to 10 hours.

Hours to be arranged.

Professor GRANT.

A study of the geology of the Lake Superior region, with special reference to the formations which contain the extensive deposits of copper and iron ores.

H—*Research Work.*

Hours and time to be arranged.

Professor GRANT.

A continuation of the work of the first semester.

Major work: Ten year-hours, which may include four hours in Mineralogy A, B, C.

GERMANIC LANGUAGES AND LITERATURES.

(Other than English.)

FIRST SEMESTER.

AB—*Elementary Course.* 4 hours.

Section I, Mondays, Tuesdays, Thursdays, Fridays, 8.
Section II, Mondays, Tuesdays, Thursdays, Fridays, 10.
Section III, Mondays, Tuesdays, Thursdays, Fridays, 2.

Professor CURME (Section I). Assistant Professor COHN (Sections II, III).

Pronunciation, grammar, selections in prose and verse translation into German. This course is open to those who have fulfilled all the entrance requirements in language.

A—*Lessing's Minna von Barnhelm and Emilia Galotti; Schiller's Kabale und Liebe; Goethe's Hermann und Dorothea. German Composition.* 5 hours.

Section I, Daily, 8.
Section II, Daily, 9.
Section III, Daily, 10.
Section IV, Daily, 11.

Professor CURME, Professor HATFIELD, Assistant Professor COHN, MR. BUSSE.

Course A makes a proper sequence to the preparatory work of those who offer elementary German for entrance, as well as to Course AB.

To be given as a four-hour course in 1900–1901.

B—*Goethe's Life and Works, 1749–1790.* 3 hours.

Section I, Mondays, Wednesdays, Fridays, 8.
Section II, Mondays, Wednesdays, Fridays, 11.
Section III, Mondays, Wednesdays, Fridays, 2.

Professor HATFIELD and Professor CURME (§ II).

During the first semester particular study is made of Dichtung und Wahrheit, Goetz von Berlichingen, Werther, and the earlier lyrics. Open to those who have had Course A. Course B may be taken a second time, with new subjects, for a credit of two hours.

Given in 1899–1900. In 1900–1901 the work will be centered about the period of the Thirty Years' War as treated in literature.

C—*Goethe's Life and Works, 1790–1832.* 2 hours.

Mondays, Fridays, 3.

Professor HATFIELD.

This course naturally follows Course B. The ability to interpret German works by an effective oral rendition of the original, as well as to understand lectures delivered in German, is presupposed.

Not given in 1900–1901.

D—*Kirchenlied und Volkslied.* 3 hours.

Mondays, Wednesdays, Fridays, 3.

Professor HATFIELD.

Open to those who have completed Course B, under the conditions mentioned under Course C.

To be given in 1900–1901.

E—*Advanced Group.* 2 hours.

Wednesdays, 4 (subject to change).

Professor HATFIELD.

The themes considered will be those described under Course D, the distinction being made that the students enrolled under E will be engaged in more special studies upon the points treated, with the help of the abundant literature contained in the libraries which are accessible. This course, which is given on the seminary plan, is intended chiefly for advanced and graduate students, and in all cases enrollment will be at the discretion of the instructor. The ability to read Latin is desirable.

F—*Rapid reading of standard prose works.* 2 hours.

Tuesdays, Thursdays, 3.

Assistant Professor COHN.

Hauff, Roquette, Scheffel, Freytag, C. F. Meyer, Heyse, Seidel, and others; intended to give a free command of modern prose.

G—*Colloquial German.* One hour's credit.

Tuesdays, Thursdays, 9.

Assistant Professor COHN.

Meissner's German Conversation and other materials. Open to all who have had one year's German, and to others by special permission. The two hours of this course count as one hour in term credits.

H—*Advanced German Composition.* 2 hours.

Mondays, Wednesdays, 8.

Assistant Professor COHN.

Von Jagemann's Syntax and Prose Composition. Open to those who have had Course A, or its equivalent

J—*Modern German Drama.* 2 hours.

Tuesdays, Thursdays, 4.

Professor CURME.

Two courses are given in Modern German Drama in alternate years. The aim of these courses is to present a general

outline of German life in the nineteenth century as reflected in the drama, exclusive of the classical works of Goethe and Schiller, which belong more properly to the study of the preceding century. A large number of masterpieces will be read in order that the rich and varied products of the various periods may become apparent.

(a) *Heinrich von Kleist, Grillparzer, Hebbel, Gutzkow, Otto Ludwig*, with emphasis of the first three.

To be given in 1900–1901.

(b) *Recent Developments in the German Drama.*

Since the appearance of Wildenbruch's *Die Karolinger* in 1881 there has been a marked awakening in the dramatic literature of Germany. The representative works of the three leading dramatists of this period, Wildenbruch, Hauptmann, and Sudermann, are read and studied in connection with the formative influences which have been at work.

Given in 1899–1900.

K—*Gothic.* 4 hours.

Hours to be arranged.

Professor CURME.

Streitberg's *Gotisches Elementarbuch*, Stamm-Heyne's *Ulfilas*, and Uhlenbeck's *Wörterbuch der gotischen Sprache.*

The study of Gothic lies at the very base of the thorough study of all Germanic languages, and hence is fundamentally essential to all students who intend to study German or English historically. The phonology and inflectional systems of the language are carefully studied to secure a good basis for future work. About one hundred pages of Gothic text are read. Daily exercises in etymology, word-formation, vowel gradation, application of Grimm's and Verner's laws, etc.

L—*Old High German.* 4 hours.

Hours to be arranged.

Professor CURME.

Braune's *Althochdeutsche Grammatik* is studied carefully to secure a good basis for the study of the growth and development of High German. Braune's *Althochdeutsches Lesebuch* is translated into the modern idiom, accompanied by the study of the photographic reproductions of the old manuscripts of this period in Enneccerus' *Die ältesten deutschen Sprachdenkmäler.* Daily discussion of language and literary questions.

(For Norwegian-Danish and Swedish, see the catalogue under these heads.)

SECOND SEMESTER.

AB—*Elementary Course.* 4 hours.

Section I. Mondays, Tuesdays, Thursdays, Fridays, 8.
Section II. Mondays, Tuesdays, Thursdays, Fridays, 10.
Section III. Mondays, Tuesdays, Thursdays, Fridays, 2.

Professor CURME (Section I). Assistant Professor COHN (Sections II, III).

Continuation of the work of the first semester. Prose composition.

A—*Schiller's Maria Stuart, Jungfrau von Orleans, and Wilhelm Tell. Ballads and Lyrics. German Composition.* 5 hours.

Section I. Daily, 8.
Section II. Daily, 9.
Section III. Daily, 10.
Section IV. Daily, 11.

Professor CURME. Professor HATFIELD. Assistant Professor COHN, and Mr. BUSSE.

See the announcement under the first semester.

B—*Goethe's Life and Works, 1749–1790.* 3 hours.

Section I. Mondays, Wednesdays, Fridays, 8.
Section II. Mondays, Wednesdays, Fridays, 11.
Section III. Mondays, Wednesdays, Fridays, 2.

Professor HATFIELD and Professor CURME. (Sec. II.)

Lyrics, Egmont, Iphigenie, Tasso, and the Italian Journey.

C—*Schiller's Life and Works.* 2 hours.

Mondays, Fridays, 3.

Professor HATFIELD.

Given in 1899–1900.

D—*The Romantic Movement and the Swabian School.* 3 hours.

Professor HATFIELD.

Mondays, Wednesdays, Fridays, 3.
See the announcement under the first semester.
To be given in 1900–1901.

E—*Advanced Group.* 2 hours.

Wednesdays, 4 (subject to change).

Professor HATFIELD.

See the announcement of this course under the first semester. The history of German poetry in the first quarter of the century will be studied from the sources, with a consideration of general principles of poetic criticism. As far as opportunity allows, suitable original work will be brought to publication.

F—*Rapid Reading of Standard Prose Works.* 2 hours.

Tuesdays, Thursdays, 3.

Riehl, Storm, Keller, Baumbach, Rosegger, Ebner-Eschenbach and other modern authors.

Assistant Professor COHN and Dr. EGGERT.

G—*Colloquial German.* One hour's credit.

Tuesdays, Thursdays, 9.

Assistant Professor COHN and Mr. EDWARD.

Fischer's Wildermuth's Einsiedler and other materials.

H—*Advanced German Composition.* 2 hours.

Mondays, Wednesdays, 8.

Assistant Professor COHN and Mr. EDWARD.

White's selections for German Prose Composition with specially assigned work.

J—*Modern German Drama.* 2 hours.

Tuesdays, Thursdays, 4.

Professor CURME.

K—*Comparative Grammar and Old Saxon.* 4 hours.

Hours to be arranged.

Professor CURME.

(a) COMPARATIVE GRAMMAR. The phonology and inflectional systems of Gothic are compared with other languages of the Indo-European family. Streitberg's *Urgermanische Grammatik*, Hirt's *Der Indo-Germanische Ablaut* and Meringer's *Indo-Germanische Sprachwissenschaft* are used as texts. Parts of Wilmanns' *Lautlehre* are also used. (2 hours weekly.)

(b) OLD SAXON. Holthausen's *Altsächsisches Elementarbuch.* (2 hours weekly.)

L—*Middle High German.* 4 hours.

Hours to be arranged.

Professor CURME.

Michel's *Mittelhochdeutsches Elementarbuch*, Hartmann von Aue's *Der arme Heinrich.* Zarncke's edition of the *Nibelungenlied* in connection with the editions of Lachmann and Bartsch; *Kudrun.* On account of the beauty of the masterpieces of this period more attention is paid to the literature for its own sake than in the older periods, where language questions claimed relatively more consideration.

For Norwegian-Danish and Swedish, see the catalogue under these heads.

Major work: Nine year-hours from courses beyond A.

Courses B, G, and H should be included by all who intend to become teachers of German in secondary schools.

GREEK LANGUAGE AND LITERATURE.

FIRST SEMESTER.

AA—*White's First Greek Book.* 5 hours.

Mondays, Tuesdays, Wednesdays, Thursdays, Fridays, 10.

Associate Professor SCOTT.

AB—*Xenophon's Anabasis, Books II, III. Twenty lessons in Greek Composition.* 5 hours.

Mondays, Tuesdays, Wednesdays, Thursdays, Fridays, 8.

Mr. FLICKINGER.

Courses AA and AB are designed for students who, entering college without Greek, desire to take up the study and complete the requirements for the degree of A. B.

A—*Lysias Select Orations as a basis for Greek Composition. Homer.* 5 hours.

Section I.

Mondays, Tuesdays, Wednesdays, Thursdays, Fridays, 9.

Associate Professor SCOTT.

To be given as a four-hour course in 1900–1901.

Lysias Select Orations. Xenophon's Memorabilia of Socrates. Greek Composition based on the text. 5 hours.

Section II.

Mondays, Tuesdays, Wednesdays, Thursdays, Fridays, 11.

Professor BAIRD.

B—*Æschines against Ctesiphon, Sophocles Antigone.* 3 hours.

Tuesdays, Wednesdays, Thursdays, 10.

Professor BAIRD.

C—*Selections from Greek Lyric Poets. Æschylus. Prometheus Bound.* 2 hours.

Tuesdays, Thursdays, 3.

Professor BAIRD.

Omitted in 1900–1901.

D—*Demosthenes on the Crown.* 2 hours.

Tuesdays, Thursdays, 3.

Professor BAIRD.

Given in 1900–1901.

E—*Greek Life.* 1 hour.

Monday, 3.

Professor BAIRD.

Omitted in 1900–1901.

F—*History of Greek Literature from Homer to Euripides.* 2 hours.

Wednesdays, Fridays, 3.

Professor BAIRD.

This course consists of lectures, and recitations based on translations. The aim is to secure familiarity with the masterpieces of Greek literature.

Open to students in all courses.

G—*Thucydides.* 4 hours.

Hours to be arranged.

Associate Professor SCOTT.

Thucydides will be read entire. Students will prepare papers on assigned topics.

Given in 1900–1901.

I—*Herodotus.* 4 hours.

Associate Professor SCOTT.

Herodotus, with a careful study of his language and place as an historian.

Omitted in 1900–1901.

L—*Greek Prose Composition.* 2 hours.

Tuesdays, Thursdays, 2.

Associate Professor SCOTT.

N—*The Synoptic Gospels.* 3 hours.

Tuesdays, Wednesdays, Thursdays, 10.

Professor BRADLEY.

SECOND SEMESTER.

AA—*White's First Greek Book Completed and First Book of Xenophon's Anabasis. Greek Composition.* 5 hours.

Mondays, Tuesdays, Wednesdays, Thursdays, Fridays, 10.

Associate Professor SCOTT.

AB—*Xenophon's Anabasis, Book IV. Greek Composition, 10 Lessons, and First Three Books of Homer's Iliad.* 5 hours.

Mondays, Tuesdays, Wednesdays, Thursdays, Fridays, 8.

Mr. FLICKINGER.

A—*Work same as in first semester. Sections interchanging topics and instructors.* 5 hours.

B—*Plato's Gorgias.* 3 hours.

Tuesdays, Wednesdays, Thursdays, 10.

Professor BAIRD.

C—*Aristophanes's Clouds. Euripides's Medea.* 2 hours.

Tuesdays, Thursdays, 3.

Professor BAIRD.

Omitted in 1900-1901.

D—*Selections from Plato's Republic and Lucian.* 2 hours.

Tuesdays, Thursdays, 3.

Professor BAIRD.

E—*Greek Life. Continuation of work of first semester.* 1 hour.

Thursdays, 3.

Professor BAIRD.

F—*History of Greek Literature from Aristophanes to the Greek Church Fathers.* 2 hours.

Wednesdays, Fridays, 3.

Professor BAIRD.

G—*Xenophon.* 4 hours.

Hours to be arranged.

Associate Professor SCOTT.

Study will be given to his place as an historian, but more especially to his language.

I—*Greek Lyric Poets.* 4 hours.

Hours to be arranged.

Associate Professor SCOTT.

L—*Greek Prose Composition.* 2 hours.

Tuesdays, Thursdays, 2.

Associate Professor SCOTT.

N—*Acts of the Apostles.* 3 hours.

Tuesdays, Wednesdays, Thursdays, 10.

Professor BRADLEY.

Major work: A, B, C, D and F. Other advanced courses may be substituted for C or D.

HEBREW.

FIRST SEMESTER.

A—*Elements of Hebrew.* 4 hours.

Tuesdays, Wednesdays, Thursdays, Fridays, 4.

Professor HORSWELL.

B—*Historical Books.* 3 hours.

Wednesdays, Thursdays, Fridays, 3.

Professor HORSWELL.

Courses of study in the Hebrew Language and Literature are offered in Garrett Biblical Institute. Students in the Col-

lege of Liberal Arts desiring to elect Hebrew must receive from the Committee on Registration a certificate of approval. Final arrangements are to be made with the instructor in charge.

SECOND SEMESTER.

A—*Elements of Hebrew.* 4 hours.
Tuesdays, Wednesdays, Thursdays, Fridays, 4.
Professor HORSWELL.

B—*Historical Books.* 3 hours.
Wednesdays, Thursdays, Fridays, 3.
Professor HORSWELL.

HISTORY.

FIRST SEMESTER.

A—*English History to the Restoration.* 3 hours.
Mondays, Wednesdays, Fridays, 3.
Professor SHEPPARD.

B—*English Constitutional History.* 2 hours.
Wednesdays, Fridays, 2.
Professor SHEPPARD.

C—*Colonial History.* 2 hours.
Tuesdays, Thursdays, 11.
Professor SHEPPARD.
French and Indian War and Revolution.

D—*Grecian History.* 2 hours.
Tuesdays, Thursdays, 9.
Mr. WARD.
Political and Social History of Greece from earliest times to the Roman Conquest. Constant use of the library for study of the sources, preparation of maps, and examination of best works available in this field.

E—*Continental Europe during the Middle Ages.* 3 hours.
Mondays, Wednesdays, Fridays, 10.
Professor JAMES.
This course is intended to furnish an outline of the history of Europe between ancient and modern times. It deals with the political, intellectual and religious development of the period. Text-books, topics, lectures.

F—*Continental Europe from the Renaissance to the French Revolution.* 2 hours.

Tuesdays, Thursdays, 3.

Professor JAMES.

The object of the course is to study the political and intellectual influences and the growth of absolutism prior to the Revolutionary period. Methods the same as in Course E.

G—*Continental Europe since the Outbreak of the French Revolution.* 3 hours.

Mondays, Wednesdays, Fridays, 9.

Professor JAMES.

Political History, showing the progress of Democracy and aiming to give an understanding of the present condition of European politics. Methods the same as in Course E.

H—*History of Greek Political Institutions.* 1 hour.

Hour to be arranged.

Professor BAIRD.

This lecture course is intended primarily for advanced students. It will be given in 1899–1900 and in alternate years.

J—*History of Germanic Institutions.* 1 hour.

Hour to be arranged.

Professor JAMES.

This course is intended to alternate with Course H and may be expected in 1900–1901.

L—*Church History.* 3 hours.

Tuesdays, Wednesdays, Fridays, 10.

Professor LITTLE.

Post-Nicene History of the Christian Church. Christianity within the Roman Empire; the Struggle of the Church with Paganism, with Barbarism, and with Mohammedanism; the Development of the Hierarchy; the Rivalries of the Patriarchates; the Upbuilding of the Papacy and the Growth of Monachism; the Relations of the Popes to the Byzantine, Frankish, and German Emperors; the Crusades; the Growth and Decay of Papal Power; the Monastic Schools; the Universities; the Mendicants and Mediæval Heretics; Scholasticism and Superstition; the Church and Mediæval Society.

M—*Seminary in American History.* 1-2 hours.

Hours to be arranged.

Professor JAMES.

Open only to those whom the professor in charge considers qualified. One meeting each week of one or two hours; but each student must give sufficient time in preparation to entitle him to three hours of credit. Additional credits may be acquired if arranged for at the time of registration. During the year 1899–1900 the time was given to the study of the period in American History, 1765–1820, using the original sources as a basis for the work.

N—*Historical Club.* 1 hour each month.

Hour to be arranged.

Professors SHEPPARD and JAMES and Mr. WARD.

Papers are given by instructors and advanced students. Reviews of new books and other historical literature are presented.

SECOND SEMESTER.

A—*English History from the Restoration to Contemporary Times.* 3 hours.

Mondays, Wednesdays, Fridays, 3.

Professor SHEPPARD.

B—*English Constitutional History continued, and History of Civilization.* 2 hours.

Wednesdays, Fridays, 2.

Professor SHEPPARD.

C—*Constitutional History of the United States.* 2 hours.

Tuesdays, Thursdays, 11.

Professor SHEPPARD.

D—*Roman History.* 2 hours.

Tuesdays, Thursdays, 9.

Mr. WARD.

Political and Social History of Rome from earliest times to the fall of the empire in the West. Constant use of the library for study of the sources, preparation of maps, and examination of the best works available in this field.

E—*Continental Europe During the Middle Ages.* 3 hours.

Mondays, Wednesdays, Fridays, 10.

Professor JAMES.

Continuation of the work of the first semester. Some of the subjects considered are: Struggle between the Empire and the Papacy; Crusades, and the Renaissance.

F—*Continental Europe from the Renaissance to the French Revolution.* 2 hours.

Tuesdays, Thursdays, 3.

Professor JAMES.

Continuation of the work of the first semester. Subjects considered: Reformation; Thirty Years' War; Triumph of French Absolutism in the Reign of Louis XIV.; Frederick the Great and Prussian Ascendency.

G—*Continental Europe since the Outbreak of the French Revolution.* 3 hours.

Mondays, Wednesdays, Fridays, 9.

Professor JAMES.

Continuation of the work of the first semester. Unification of Germany and of Italy; the Eastern Question; Present Political Conditions.

H—*History of Roman Political Institutions.* 1 hour.

Hour to be arranged.

Continuation of the work of the first semester.

J—*History of Germanic Institutions.* 1 hour.

Hour to be arranged.

Professor JAMES.

Continuation of the work of the first semester.

L—*Church History.* 3 hours.

Tuesdays, Wednesdays, Fridays, 10.

Professor LITTLE.

Continuation of the work of the first semester and a consideration of the History of the Modern Church.

M—*Seminary in American History.* 1–2 hours.

Hours to be arranged.

Professor JAMES.

Continuation of the work of the first semester.

N—*Historical Club.* 1 hour each month.

Hour to be arranged.

Professors SHEPPARD and JAMES and Mr. WARD.

Continuation of the work of the first semester.
Major work: ten year-hours.

ITALIAN.

FIRST SEMESTER.

A—*Elementary Italian.* 3 hours.

Mondays, Wednesdays, Fridays, 9.

Miss FREEMAN.

Grandgent's Grammar: Bowen's Reader: Cuore (D'Amici). I Promessi Sposi (Manzoni).

SECOND SEMESTER.

A—*Italian Literature.*

Mondays, Wednesdays, Fridays, 9.

Miss FREEMAN.

Modern Prose Tales. Dante (40 cantos); Private Reading; Alberto (D'Amici); Collateral reading required: Howell's *Italian Poets*, Symonds' *Introduction to Dante*, Church's *Dante*, Rossetti's *Dante and his Circle*. The courses in Italian and Spanish will be given in alternate years. The course in Italian will be given in 1901–1902.

LATIN LANGUAGE AND LITERATURE.

FIRST SEMESTER.

A—*Livy, Books I, XXI, and XXII; practice in reading at sight. Latin composition, with grammatical reviews.* 4 hours.

Section I. Mondays, Tuesdays, Thursdays, Fridays, 9.
Section II. Mondays, Tuesdays, Thursdays, Fridays, 10.
Section III. Mondays, Tuesdays, Thursdays, Fridays, 2.

Dr. LONG.

Given as a five-hour course in 1899–1900.

B—*Horace, Odes and Epodes.* 3 hours.

Section I. Mondays, Wednesdays, Fridays, 9.
Section II. Mondays, Wednesdays, Fridays, 11.

Professor BONBRIGHT.

C—Horace, Literary Epistles; Quintilian. 3 hours.

Tuesdays, Thursdays, Fridays, 10.

Professor BONBRIGHT.

The Literary Epistles of Horace, together with a selection of the Satires, will be read with particular attention to their import for the history and criticism of Latin poetry.

D—*Catullus and the Latin Elegists.* 3 hours.

Tuesdays, Thursdays, Fridays, 10.

Professor BONBRIGHT.

Elegiac poetry will be studied in its leading Latin examples, with lectures tracing its history from Alexandrian and earlier Greek types.

Courses C and D given alternately, Course C in 1900–1901.

E—*Lucretius, selections amounting to about three books.* 2 hours.

Tuesdays, Thursdays, 2.

Professor BONBRIGHT.

The reading, aided by lectures, will aim at an appreciation of the mind and literary art of Lucretius, and also at an understanding of his philosophy as a phase in the history of speculative thought.

F—*Latin Comedy—Plautus.* 2 hours.

Professor BONBRIGHT.

Two or three plays will be read, prefaced by lectures on the history, character, and social conditions of the Roman drama.

Courses E and F given alternately, Course F in 1900–1901.

G—*Advanced work in Courses E and F, in alternate years, as above.* 1 or 2 hours.

Professor BONBRIGHT.

Private reading, with preparation of papers, supplementing class study. The course is designed primarily for graduate students; others are admitted on approval of the instructor. The course not given in 1900–1901.

H—*Vergil, Bucolics and Georgics.* 2 hours.

Dr. LONG.

Lectures will be given introductory to the general study of Vergil; the study will be continued throughout the year.

J—*Latin Composition.* 1 hour.

Time to be arranged.

Dr. LONG.

This course presupposes the completion of Course A, and will involve more advanced study of Syntax.

K—*Cicero, Selection of the Orations.* 2 hours.

Hours to be arranged.

Dr. LONG.

Study of Cicero's rhetorical method and style; readings from the rhetorical works.

The course omitted in 1900–1901.

SECOND SEMESTER.

A—*Cicero, De Senectute and De Amicitia; Terence, two plays; sight-reading; Latin composition.* 4 hours.

Section I. Mondays, Tuesdays, Thursdays, Fridays, 9.
Section II. Mondays, Tuesdays, Thursdays, Fridays, 10.
Section III. Mondays, Tuesdays, Thursdays, Fridays, 2.

Dr. LONG.

B—*Horace, Satires; Tacitus, Germania and Agricola, or Selections from the Histories.* 3 hours.

Section I. Mondays, Wednesdays, Fridays, 9.
Section II. Mondays, Wednesdays, Fridays, 11.

Professor BONBRIGHT and Acting Professor CLEMENT.

C—*Literature of the Empire, Selected Readings.* 3 hours.

Tuesdays, Thursdays, Fridays, 10.

Professor BONBRIGHT.

The course will aim, in connection with readings from representative writers, to give a survey of the literary history of the first century of the Roman Empire.

D—*Martial, selected Epigrams; Pliny's Letters.* 3 hours.

Tuesdays, Thursdays, Fridays, 10.

Professor BONBRIGHT and Acting Professor CLEMENT.

Courses C and D given in alternate years, Course C in 1900–1901.

E—*Schools of Philosophy at Rome—Cicero's Philosophical Works, selections.* 2 hours.

Tuesdays, Thursdays, 2.

Professor BONBRIGHT and Acting Professor CLEMENT.

The study of the selections from Cicero will be supplemented by prescribed private reading on topics in the History of Philosophy.

F—*Roman Satire, Juvenal.* 2 hours.

Professor BONBRIGHT.

The reading of the principal Satires of Juvenal will follow an introductory study of the development of Roman satire from its earliest period.

Courses E and F given in alternate years, Course F in 1900–1901.

G—*Advanced work in Courses E and F in alternate years, as above.* 1 or 2 hours.

Professor BONBRIGHT and Acting Professor CLEMENT.

Private reading, with preparation of papers, supplementing class study.

The course is intended primarily for graduate students.

The course not given in 1900–1901.

H—*Epic Poetry—Vergil, the Æneid.* 2 hours.

Hours to be arranged.

Dr. LONG.

Reading and critical study of the Æneid, with preparation of papers on assigned topics; lectures on the Roman Epic.

J—*Latin Composition.* 1 hour.

Dr. LONG.

Continuation of the work of the first semester.

K—*Latin Composition, advanced course.* 2 hours.

Dr. LONG.

Practice in writing Latin, based in part on standard prose selections; topics in grammar and principles of Latin prose style. The course is designed especially for those who expect to teach.

Omitted in 1900–1901.

Major work: Course B with C or D and E or F.

LAW.

FIRST SEMESTER.

A—*The Elements of the Common Law.* 2 hours.

Wednesdays, Fridays, 9.

President ROGERS.

The course is intended to explain the origin of law, the relation of statute law to customary law, the nature of legal rights and legal remedies, the elementary principles of the law of real and personal property, as well as of contracts and of crimes.

Robinson's Elementary Law is used as the basis of the work in this subject.

The course is given in 1899–1900, and in alternate years.

B—*The Elements of International Law.* 2 hours.

Wednesdays, Fridays, 9.

President ROGERS.

The instruction is intended to ground the student in the fundamental principles of Public International Law. It deals with the nature, sources, and history of International Law, as well as with the principles which regulate the relations and intercourse of nations in times of peace and of war, and it also treats of the condition of States which during war do not participate in the contest, but continue pacific intercourse with the belligerents, and the most important portions of the diplomatic history of this country.

Lawrence on International Law is used as the basis of the work in this subject.

The course will be given in 1900–1901, and in alternate years.

C—*The Elements of Roman Law.* 2 hours.

Tuesdays, Thursdays, 11.

Dr. LONG.

The course in Roman Law is intended not only for students of Latin, but also for those who desire later to pursue studies in Modern Law or Comparative Jurisprudence.

Instruction is based on Morey's Outlines and is supplemented by lectures and collateral reading.

The course will be given in 1899–1900, and in alternate years.

D—*The Institutes of Gaius.* 2 hours.

Tuesdays, Thursdays, 11.

Dr. LONG.

A text-book is studied in connection with lectures.

Administrative Law.

For the course in Administrative Law, see p. 133.

SECOND SEMESTER.

A—*The Elements of Constitutional Law.* 2 hours.

Wednesdays, Fridays, 9.

President ROGERS.

The object of this course is to acquaint the student with the general principles of the Constitution of the United States, and to familiarize him with the origin and development of the Constitutional Law of this country. The instruction is intended to explain the relations which exist between the United States and the several states, the powers of the different departments of government, the civil and political rights of citizenship, and the various constitutional guaranties, as well as to acquaint the student with the main distinctions which exist between the Constitution of the United States and those of the leading European nations.

A text-book is studied in connection with lectures.

The course is given in 1899–1900, and in alternate years.

B—*Diplomacy and the History of Treaties.* 2 hours.

Wednesdays, Fridays, 9.

President ROGERS.

The purpose is to acquaint the student with the rights and obligations of diplomacy, the immunities of diplomats, the principles regulating the exercise of the treaty-making power, as well as with a knowledge of the more important European treaties, and particularly with a knowledge of the treaties of the United States.

The course will be given in 1900–1901, and in alternate years.

Administrative Law.

For the course in Administrative Law, see p. 134.

MATHEMATICS.

FIRST SEMESTER.

A—*Algebra.* 4 hours.

Section I. Tuesdays, Wednesdays, Thursdays, Fridays, 8.

Section II. Tuesdays, Wednesdays, Thursdays, Fridays, 9.

Section III. Mondays, Tuesdays, Wednesdays, Thursdays, 11.

Section IV. Mondays, Tuesdays, Wednesdays, Thursdays, 2.

Section V. Mondays, Tuesdays, Wednesdays, Thursdays, 3.

Professor HOLGATE, Mr. KEPPEL, Dr. STECKER and Mr. THORNE.

This course is required of all candidates for a degree, except those who take Course AB.

AB—*Algebra and Plane Trigonometry.* 5 hours.

Section I. Mondays, Tuesdays, Wednesdays, Thursdays, Fridays, 10.

Section II. Mondays, Tuesdays, Wednesdays, Thursdays, Fridays, 11.

Professor WHITE and Mr. KEPPEL.

This course may be taken as a substitute for Course A. It fulfills in one year the mathematical requirement for the Bachelor of Science degree. Students intending to complete a Major in mathematics are advised to take this course in their first year.

B—*Plane Analytical Geometry.* 3 hours.

Mondays, Wednesdays, Fridays, 8.

Mr. KEPPEL.

For the second semester, either Course B or Course E may be elected as a continuation of this course.

BB—*Differential Calculus.* 3 hours.

Mondays, Wednesdays, Fridays, 9.

Professor WHITE.

Students must have completed Course AB, or the first semester of Course B.

C—*Elementary Mechanics. Statics.* 3 hours.

Mondays, Wednesdays, Fridays, 9.

Professor HOLGATE.

Course C is open to all students who have completed Course A.

D—*Theory of Equations and Determinants.* 2 hours.

Tuesdays, Thursdays, 9.

Professor WHITE.

F—*Geometrical Applications of the Calculus.* 3 hours.

Mondays, Wednesdays, Fridays, 10.
To be omitted in 1900–1901.

Professor WHITE.

G—*Analytical Geometry. An advanced course.* 3 hours.

Mondays, Wednesdays, Fridays, 8.

Professor HOLGATE.

H—*Modern Synthetic Geometry.* 3 hours.

Mondays, Wednesdays, Fridays, 10.

Professor HOLGATE.

Students electing this course must have completed one year of Course B, C, or BB.

J—*Integral Calculus. An advanced course.* 3 hours.

Mondays, Wednesdays, Fridays, 2.

Omitted in 1899–1900.

Professor WHITE.

Definite Integrals, Multiple Integrals, the Eulerian and the Elliptic Integrals will be studied, together with the simplest Differential Equations. Students must have completed Course B or BB.

K—*Analytical Mechanics. An advanced course.* 2 hours.

Tuesdays, Thursdays, 8.

Professor HOLGATE.

Course B, or its equivalent, is a prerequisite for this course.

PRIMARILY FOR GRADUATES.

M—*Higher Algebra.* 3 hours.

Hours to be arranged.

Professor WHITE.

The principal topics considered are symmetric functions of roots, resultants, elimination, canonical forms, and the theory of linear transformations and their invariants. Salmon's Higher Algebra and Elliott's Algebra of Quantics are used for reference.

N—*Theory of Functions of a Complex Variable.* 2 hours.

Hours to be arranged.

Professor WHITE.

Introduction to theories of Cauchy and Riemann.

SECOND SEMESTER.

A—*Plane Trigonometry.* 4 hours.

Section I. Tuesdays, Wednesdays, Thursdays, Fridays, 8.

Section II. Tuesdays, Wednesdays, Thursdays, Fridays, 9.

Section III. Mondays, Tuesdays, Wednesdays, Thursdays, 11.

Section IV. Mondays, Tuesdays, Wednesdays, Thursdays, 2.

Section V. Mondays, Tuesdays, Wednesdays, Thursdays, 3.

Professor HOLGATE, Mr. KEPPEL, Dr. STECKER, and Mr. THORNE.

AB—*Plane Analytical Geometry.* 5 hours.

Section I. Mondays, Tuesdays, Wednesdays, Thursdays, Fridays, 10.

Section II. Mondays, Tuesdays, Wednesdays, Thursdays, Fridays, 11.

Professor WHITE and Mr. KEPPEL.

B—*Differential and Integral Calculus.* 3 hours.

Mondays, Wednesdays, Fridays, 8.

Mr. KEPPEL.

BB—*Integral Calculus.* 3 hours.
Mondays, Wednesdays, Fridays, 9.
Professor WHITE.

C—*Elementary Mechanics. Kinetics.* 3 hours.
Mondays, Wednesdays, Fridays, 9.
Professor HOLGATE.

D—*Theory of Equations, continued.* 2 hours.
Tuesdays, Thursdays, 9.
Professor WHITE.

E—*Solid Analytical Geometry.* 3 hours.
Mondays, Wednesdays, Fridays, 8.
This course may be elected as a continuation of Course B of the first semester.
Professor WHITE.

F—*Geometrical Applications of the Calculus, continued.* 3 hours.
Mondays, Wednesdays, Fridays, 10.
To be omitted in 1900–1901.
Professor WHITE.

G—*Analytical Geometry, continued.* 3 hours.
Mondays, Wednesdays, Fridays, 8.
Professor HOLGATE.

H—*Modern Synthetic Geometry, continued.* 3 hours.
Mondays, Wednesdays, Fridays, 10.
Professor HOLGATE.

J—*Differential Equations.* 2 hours.
Tuesdays, Thursdays, 10.
Omitted in 1899–1900.
Professor WHITE.

K—*Analytical Mechanics, continued.* 2 hours.
Tuesdays, Thursdays, 8.
Professor HOLGATE.

PRIMARILY FOR GRADUATES.

M—*Theory of Substitution Groups.* 3 hours.
Professor WHITE.

N—*General Theory of Functions and Elliptic Functions*, 2 hours.

Professor HOLGATE.

Major work: Fifteen year-hours, including Courses A or AB and B or BB.

MINERALOGY AND ECONOMIC GEOLOGY.

FIRST SEMESTER.

A—*Mineralogy.* 3 hours.

Lecture, Fridays, 11. Laboratory hours can be arranged between 8 and 12 Mondays, Tuesdays, Wednesdays and Fridays.

Professor CROOK.

Elements of crystallography; descriptive mineralogy, including physical properties, chemical composition, occurrence and association of minerals; determination of minerals by physical characteristics. About one hundred and fifty minerals are studied to learn methods of determination and investigation, and to gain information fundamental for geologists, miners, chemists, and physicists, as well as that desirable for a general education. Dana's Text-Book of Mineralogy. This course is intended for beginners.

B—*Petrology.* 3 hours.

Lecture, Mondays, 11. Laboratory hours can be arranged between 8 and 12 Mondays, Tuesdays, Wednesdays and Fridays.

Professor CROOK.

Optical and other properties of rock-forming minerals; studied with polarizing microscope, specific gravity fluids, and other means of investigation; preparation of microscopic slides; mineralogical constitution and chemical composition of rocks. Hussak's Determination of Rock-Forming Minerals. Prerequisite, Mineralogy A.

C—*Economic Geology.* 2 hours.

Tuesdays, Thursdays, 4.

Professor CROOK.

Nature and distribution of gems, metals, and other useful mineral substances, such as: coal, mineral oils, natural gas, building stones, clays, abrasive materials; their origin, the chemical processes of their formation; methods of prospect-

ing, mining, quarrying and preparing for use; properties of soils and their preservation and improvement; potable waters, irrigation and drainage. These subjects are illustrated by materials, charts, and lantern slides.

Tarr's "Economic Geology of the United States."

Open to all comers.

D—*Physical Crystallography.* 2 hours.

Hours to be arranged.

Professor CROOK.

Optical, thermal, magnetic and molecular properties of crystals. Wooden and glass models, reflecting goniometer and microscope used.

Williams' "Elements of Crystallography" and Groth's "Physikalische Krystallographie."

E—*Field Geology.* 2 hours.

Saturdays.

Professor CROOK.

A study in the field of such geological phenomena as the region affords, as for example: ice and water action, stratification, joints, fissures, occurrence of building stone and minerals of the neighborhood. The purpose is to learn methods of geological field-work and of reporting on observations made.

Open to all taking other work in the Departments of Mineralogy and of Geology.

Omitted after 1899–1900. Hereafter the course will read:

E—*Assaying.* 2 hours.

Hours to be arranged.

Professor CROOK.

Practical work in assaying, open to those students who have completed Chemistry A and Mineralogy A.

F—*Advanced Course.* 3 hours.

Hours to be arranged.

Professor CROOK.

A continuation of the work begun in any one of the courses in general mineralogy, blowpipe analysis, optical mineralogy, petrology, or economic geology; for the purpose of preparing the student to enter upon work of special investigation. (See Courses H and I.)

H—*Applied Geology.* 5 hours.

Hours to be arranged.

Professor CROOK.

For graduate students who have completed the equivalent of the courses required for major work in the department. Subjects similar to those enumerated in Course C pursued with fuller investigation of the literature of the subject and experimentation on specimens. A reading knowledge of French and German is required.

I—*Mineralogical or Petrographical Research.*

To be elected as (a) ten or (b) fifteen hours.

Hours to be arranged.

Professor CROOK.

For graduate students who have completed the requirements for major work in the department. Special investigation of the physical or chemical properties of some mineral or group of minerals, or work upon the rocks of some chosen region. A full knowledge of the literature of the subject is involved, and ability to use French and German is necessary.

SECOND SEMESTER.

A—*Blowpipe Analysis.* 3 hours.

Lecture, Fridays, 11. Laboratory hours may be arranged between 8 and 12 on Mondays, Tuesdays, Wednesdays and Fridays.

Professor CROOK.

A study of minerals by chemical means of investigation, such as wet and dry reagents and the blowpipe, to confirm the physical determination of mineral species and constituents made in first semester. See statement for first semester.

Open to beginners.

Landauer's "Blowpipe Analysis."

B—*Petrology.* 3 hours.

Lecture, Mondays, 11. Laboratory hours may be arranged between 8 and 12 on Mondays, Tuesdays, Wednesdays and Fridays.

Professor CROOK.

Composition of the earth; origin of rocks; their occurrence, form, structure as seen in the field and texture as seen in the laboratory; the classification of rocks.

Merrill's "Rocks, Rock-Weathering and Soils."

C—*Economic Geology.* 2 hours.

Lectures, Tuesdays, Thursdays, 4.

Professor CROOK.

Nature and distribution of gems, metals, and other useful mineral substances, such as: coal, mineral oils, natural gas, building stone, clays, abrasive materials; their origin, the chemical processes of their formation; methods of prospecting, mining, quarrying and preparing for use; properties of soils and their preservation and improvement; potable waters, irrigation and drainage; effect of geological events and geological science upon the manner of life and thought of mankind.

Open to all comers.

D—*Physical Crystallography.* 2 hours.

Hours to be arranged.

Professor CROOK.

Optical, thermal, magnetic and molecular properties of crystals. Wooden and glass models, reflecting goniometer and microscope used.

Williams's "Elements of Crystallography" and Groth's "Physikalische Krystallographie."

E—*Field Geology.* 2 hours.

Saturdays.

Professor CROOK.

A study in the field of such geological phenomena as the region affords, as for example: ice and water action, stratification, joints, fissures, occurrence of building stone, and minerals of the neighborhood. The purpose is to learn methods of geological field-work, geological mapping and collecting.

Geike's "Field Geology." Open to all taking other work in the Departments of Mineralogy and Geology. After 1899–1900 the course will read:

E—*Assaying.* 2 hours.

Hours to be arranged.

Professor CROOK.

Practical work in assaying, open to students who have completed Chemistry A and Mineralogy A.

F—*Advanced Course.* 3 hours.

Hours to be arranged.

Professor CROOK.

A continuation of the work begun in any one of the courses in general mineralogy, blowpipe analysis, optical mineralogy, petrology, or economic geology; for the purpose of preparing the student to enter upon work of special investigation. (See Courses H and I.)

H—*Applied Geology.* 5 hours.

Hours to be arranged.

Professor CROOK.

For graduate students who have completed the equivalent of the courses above. Subjects similar to those enumerated in Course C, pursued with fuller investigation of literature of subject and experimentation on specimen. A reading knowledge of French and German is required.

I—*Mineralogical or Petrographical Research.*

To be elected as (*a*) 10 hours or (*b*) 15 hours.

Hours to be arranged.

Professor CROOK.

For graduate students who have completed the requirements for major work in the department. Special investigation of the physical or chemical properties of some mineral or group of minerals, or work upon the rocks of some chosen region. A full knowledge of the literature of the subject is involved and ability to use French and German is necessary.

Major work: ten year-hours, within which Geology A must be included.

MORAL AND SOCIAL PHILOSOPHY.

FIRST SEMESTER.

A—*Ethics.* 3 hours.

Mondays, Wednesdays, Fridays, 9.

Professor CALDWELL.

Analysis of the phenomena of the moral consciousness. The theory of Ethics, with critical survey of the chief ethical theories. Nineteenth Century Ethics. The Ethics of Evolution, and the Ethics of "Idealism." The "Ethical Movement" of to-day.

A chief feature of this course is class-room discussion, based upon the Lectures, upon Mackenzie's *Manual of Ethics*, and upon the problems and difficulties of the members of the class.

Open to students who have completed sixty semester-hours.

B—*Social Psychology.* 2 hours.

Hours to be arranged to suit students.

Professor CALDWELL.

The attempts of recent American and European philosphers and psychologists to construct a theory of the social mind and the social will.

Study of Professor Baldwin's *Social and Ethical Interpretations of Mental Development* or of Le Bon's books (translated) on the psychology of crowds, or of the writing of Sidis and others upon social suggestion, social development, social ignorance, etc. Investigation by students of different phases of the logic and mind of society.

Open to students who have completed Course A in this department or Course A in Philosophy (Logic and Psychology).

C—*Social Philosophy—Advanced.* 2 hours.

Thursdays at 8; other hour as convenient.

Professor CALDWELL.

Social theories of leading thinkers ancient and modern. Tendencies in contemporary social philosophy ("English" and Foreign). The philosophy of social advance and of social reform.

Readings and analyses of authors. Reports and discussions.

Open to students who have completed Course A.

D—*Ethics of the Social Questions.* 2-3 hours.

Hours to be arranged to suit students.

Amount of credit according to fitness for research work.

Professor CALDWELL.

The problems of the Family, Education, Wealth, Poverty, Temperance, Social Discontent, Social Reform, in the light of ethical theory.

Lectures, special researches, discussions.

E—*Social Philosophy. Practical Problems.* 2-3 hours.

Tuesdays, 4; Wednesdays, 3.

Professor CALDWELL.

Brief class-room study of some introductory, practical book, such as Henderson's *Social Elements.* Investigation by students (under direction) of social conditions, problems, agencies, institutions. Intended to start students in the work of social observation and reflection.

Credit given for time spent in investigation.

Open to students who have completed thirty hours.

F—*Seminary in Ethical Philosophy.*

Research study of any topic connected with the work of the different courses in ethics.

Time to be arranged. Credit, for undergraduates, 3–4 hours, according to arrangement. For graduates as may be arranged.

SECOND SEMESTER.

A—*Social Philosophy. General Introductory Course.* 3 hours.

Mondays, Wednesdays, Fridays, 9.

Professor CALDWELL.

The problem of social philosophy and the principles of sociology, the nature of the social problem and of social science; the conclusions of anthropology and of the other sciences on which sociology rests; the theory of sociology by reference to the work of the leading social philosophers. Practical application of sociological principles to the chief social problems.

This course attempts to outline that application of science and philosophy to society and social problems which is such a characteristic tendency of to-day. And also to point out the main lines along which social advance may best be made.

Lectures, use of some serviceable manual such as that of Giddings, readings, reports, practical investigations.

There will be scope for discussion as in the first semester.

Open to students who have completed sixty semester hours.

B—*Social Psychology.* 2 hours.

Hours to be arranged to suit students.

Professor CALDWELL.

Continuation of the work of the first semester.

C—*Ethical Philosophy. Advanced.* 2 hours.

Thursdays at 8; other hour as convenient.

Professor CALDWELL.

Reading and analysis of advanced works upon ethics, such as the writings of Kant, Hegel, Wundt, Gizycki, Paulsen, Sidgwick, Green, Sorley, Seth, Bradley, Alexander, Royce, etc.

Lecture and study notes upon special topics such as the Metaphysic of Ethics, the Logic (methods) or Psychology of Ethics, the Art of Conduct, the Moral Ideal, Social or Political or Religious Ethics, etc. Or, study of special periods in the history of Ethical growth, or of Ethical speculation, such as the Ethics of the Greeks, or of German philosophers, etc.

Open to students who have completed Course A.

D—*Practical Ethics.* 2–3 hours.

Tuesdays, Thursdays, 11.

Professor CALDWELL.

Class-room study and discussion of such books as Royce's *Studies in Good and Evil*, Sidgwick's *Practical Ethics*, or Sheldon's *An Ethical Movement*, Giles's *Moral Pathology*. Reports and investigations of students upon topics connected with the application of ethical principles to life.

Topic for 1901—the Ethical Movement of to-day as represented in American and European Ethical Churches and Societies, and in the *International Journal of Ethics*.

Open to students who have completed 60 hours.

E—*Social Philosophy. Practical Problems.* 2–3 hours.

Tuesdays, 4, Wednesdays, 3.

Professor CALDWELL.

Similar to E in first semester, as a continuation of that course.

Open to students who have completed 30 hours.

F—*Seminary in Social Philosophy.*

Research study and investigation connected with any topic connected with the courses.

Hours and credit, as in the first semester.

RELATED COURSES IN OTHER DEPARTMENTS.

Philosophy A.	Latin, Cicero, *De Officiis.*
Political Economy, A.	Greek, Plato.
Law, A or C.	History, F G.
	Zoölogy, A.

Major work, ten hours, of which Philosophy A (second semester—*Psychology*) or Political Economy A may form part.

Students intending to do Major work should take Course A in their third year or Course E in their second. They should at least confer with the professor in their second year.

MUSIC.

FIRST SEMESTER.

A—*Harmony.* 2 hours.

Mondays, Wednesdays, 3.

Professor LUTKIN.

Intervals, Triads, Triad Harmonization with near Modulations; Dominant Sept-chord.

B—*Harmony.* 2 hours.

Mondays, Thursdays, 11.

Professor LUTKIN.

Application of Secondary Sept-chords and Remote Modulations, Altered and Extended Chords, notes foreign to Harmony, Organ Point.

D—*Counterpoint.* 2 hours.

Tuesdays, Fridays, 11.

Professor LUTKIN.

Two and Three Part Counterpoint.

E—*Double Counterpoint and Canon.* 2 hours.

Hours to be arranged.

Professor LUTKIN.

F—*Free Composition and Instrumentation.* 2 hours.

Hours to be arranged.

Professor LUTKIN.

G—*History of Music.* 2 hours.

Tuesdays, Thursdays, 3.

Mrs. Coe.

Primitive Music, Music of China, Japan, Africa, India and the American Indians, with illustrations; the Greek Music System, Early Ecclesiastical Styles, Polyphonic Music of the Middle Ages, History of Notation, Analysis of the Instruments of the Orchestra, Biographies of Noted Musicians.

Text-book work supplemented by lectures.

H—*Analysis and Harmonic Sight-reading.* 1 hour.

Wednesdays, 2.

Professor Lutkin.

Scale and Chord Instruction, Intervals. (No credit.)

I—*Analysis.* 1 hour.

Wednesdays, 11.

Professor Lutkin.

(No credit.)

SECOND SEMESTER.

A—*Harmony.* 2 hours.

Mondays, Wednesdays, 3.

Professor Lutkin.

Harmonization with addition of Dominant and Diminished Sept-chords, including Inversions, Application of Cadence Formulas.

C—*Musical Form.* 2 hours.

Mondays, Thursdays, 11.

Professor Lutkin.

Melodies, Chants and Hymn Tunes; Song, Trio and Rondo Forms; Variations, Inventions and Suites, Sonata, Canon and Fugue.

D—*Counterpoint.* 2 hours.

Tuesdays, Fridays, 11.

Professor Lutkin.

Four and Five Part Counterpoint.

E—*Fugue and Free Composition.* 2 hours.

Hours to be arranged.

Professor LUTKIN.

F—*Free Composition and Instrumentation.* 2 hours.

Hours to be arranged.

Professor LUTKIN.

G—*History of Music.* 2 hours.

Tuesdays, Thursdays, 3.

Mrs. COE.

Development of the Oratorio, Illustrations from Cavaliere, Mazzochi, Carissimi, Scarlatti, Stradella; Critical Analysis from Score of Händel's "Messiah."

Development of the Opera, the Camerata, Caccini, Lully, Purcell, Comparison of Opera of Italy, France and Germany.

Critical Analyses from the scores of Wagner's Music Dramas, including the "Rheingold," "Walkyrie," "Siegfried," "Götterdämmerung," "Meistersinger" and "Parsifal."

H—*Analysis and Harmonic Sight-reading.* 1 hour.

Wednesdays, 2.

Professor LUTKIN.

Hymn-tune Analysis. (No credit.)

I—*Analysis.* 1 hour.

Wednesdays, 11.

Professor LUTKIN.

Modern Forms. (No credit.)

NORWEGIAN-DANISH.

FIRST SEMESTER.

A—*Modern Norwegian-Danish Grammar.* 2 hours.

Hours to be arranged.

Dr. SIMONSEN.

Petersen's Norwegian Grammar and E. C. Otte's "How to Learn Danish" are the text-books used.

SECOND SEMESTER.

A—*Readings from Andersen and Ibsen.* 2 hours.
Hours to be arranged.
Dr. SIMONSEN.

PEDAGOGICS.

FIRST SEMESTER.

A—*History of Education.* 3 hours.
Mondays, Wednesdays, Fridays, 4.
Professor FISK.
Lectures on Wednesdays and Recitations on Mondays and Fridays. Text-book: Compayré's History of Pedagogy.

B—*Principles of Education.* 3 hours.
Mondays, Wednesdays, Fridays, 4.
Professor FISK.
Lectures on Wednesdays and Recitations on Mondays and Fridays. Text-book: Compayré's Lectures on Pedagogy.
Course B given in 1899–1900. Courses A and B are given in alternate years.
It is the aim of the lectures and recitations in Pedagogics to assist in the formation of just opinions on theories and methods of teaching and of school management.
The books selected for reading and criticism are adapted to quicken thought rather than to prescribe methods, to aid reflection rather than to "impose doctrines." The library of the college contains a considerable number of valuable treatises on pedagogical topics, and the members of the class are guided in their consultation of this reference library.
The courses in Pedagogics have interest and value for all who expect to become teachers with voice or with pen. Whoever seeks to enlarge the knowledge or to shape the opinions of others by interpreting facts or truths known to himself, and whoever aims to incite others to action, must apply, consciously or unconsciously, the principles of Pedagogy.

SECOND SEMESTER.

A—*History of Education.* 3 hours.
Mondays, Wednesdays, Fridays, 4.
Professor FISK.
Work of first semester continued.
Text-books: Quick's Essays on Educational Reformers,

Gill's Systems of Education, Boone's Education in the United States.

B—*Principles of Education.* 3 hours.

Mondays, Wednesdays, Fridays, 4.

Professor FISK.

Work of first semester continued.

Text-books: Rooper's Apperception, De Garmo's Essentials of Method, Laurie's Institutes of Education, Lange's Apperception, Herbart's Science of Education, Tompkins's Philosophy of School Management.

PHILOSOPHY.

FIRST SEMESTER.

A—*Logic.* 3 hours.

Mondays, Wednesdays, Fridays, 2.

Professor COE.

An outline of both deductive and inductive logic. Special stress is laid upon the methods of the sciences. Written exercises in the criticism of arguments. Creighton's *Introductory Logic;* lectures on various topics.

Open to students who have completed thirty hours.

B—*History of Ancient and Mediæval Philosophy.* 2 hours.

Hours to be arranged.

Professor COE.

Weber's *History of Philosophy;* reading and discussion of parts of Greek philosophical literature; one dissertation from each student.

Open to students who have completed thirty hours.

C—*General Introduction to Philosophy.* 2 hours.

Hours to be arranged.

Professor COE.

A discussion of the nature of philosophy, its relations to other disciplines, its problems and divisions. Brief exposition of the chief types of philosophical theory.

Lectures; assigned reading in the Introductions of Hibben, Ladd, Paulsen, and Külpe, and in the works of other philosophers; papers and discussions.

A knowledge of psychology and logic will be found advantageous as a preparation for this course, but it is not required.

Open to students who have completed thirty hours.

E—*Philosophy of Religion.* 1 hour.

Mondays, 4.

Professor Coe.

Lectures and assigned reading. No preceding study of philosophy is required as a condition of admission to this course, but each of the courses A, B, C, and D—furnishes helpful preparation. Credit is not given until the work of both semesters is completed.

Open to students who have completed sixty hours.

F—*Locke, Berkeley, and Hume.* 2 hours.

Hours to be arranged.

Professor Coe.

Reading and analysis of selected works of these three writers; papers and discussions.

Open to students who have completed or are taking Course B.

Not to be given in 1900–1901.

G—*The Philosophy of Kant.* 2 hours.

Hours to be arranged.

Professor Coe.

Reading and analysis of selected portions of the three Critiques; papers and discussions.

Open to students who have completed or are taking Course B.

Not to be given in 1900–1901.

D—*The Psychology of Religion.* 2 hours.

Hours to be arranged. Once a week for two hours.

Professor Coe.

Reading and discussion of the literature of the subject; collateral reading on the origin and history of religion; the principles of religious pedagogy; collection and analysis of new data. An introduction to research in the psychology of religion.

Open to students who have pursued the subject of psychology.

SECOND SEMESTER.

A—*Psychology.* 3 hours.

Mondays, Wednesdays, Fridays, 2.

Professor Coe.

James's *Psychology* (Briefer Course); class-room demonstrations and guidance to private observation; lectures on Meth-

ods of Psychology, Suggestion, Psychic Research, Pedagogical and Practical Applications of Mental Laws, The Subject of the Mental Life, and other topics; written papers from members of the class.

Open to students who have completed thirty hours.

B—*History of Modern Philosophy.* 2 hours.

Hours to be arranged.

Professor Coe.

Weber's *History of Philosophy;* reading and discussion of selected portions of modern philosophical literature; one dissertation from each student.

Open to students who have completed thirty hours.

C—*Popular Discussions in Philosophy.* 2 hours.

Hours to be arranged.

Professor Coe.

An attempt to discover and evaluate the philosophical factors in the life of our day as evinced, particularly, in the controlling ideas of its literature, its science, and its social and religious aspirations. Readings from contemporary and recent British and American poets; essays toward the interpretation of nature, with especial reference to the law of evolution and man's place in nature; analysis of the assumptions involved in the present movement toward human brotherhood, in the new intellectual attitudes of Christianity, and in the theory of divine immanence. Lectures, papers and discussions.

Open to students who have completed thirty hours.

E—*Philosophy of Religion.* 1 hour.

Mondays, 4.

Professor Coe.

Continuation of the work of the first semester.

F—*Locke, Berkeley, and Hume.* 2 hours.

Reading and analysis of selected works of these three writers; papers and discussions. Continuation of the work of the first semester.

Open to students who have completed or are taking Course B.

Not to be given in 1900-1901.

G—*The Philosophy of Kant.* 2 hours.

Hours to be arranged.

Professor Coe.

Continuation of the work of the first semester.

Not to be given in 1900-1901.

D—*Problems in the Psychology and Philosophy of Religion.* 2 hours.

Hours to be arranged. Once a week for 2 hours.

Professor Coe.

Further collection and analysis of new data concerning the religious processes of the mind, together with an attempt to interpret the results by reference to some of the principles of epistemology and metaphysics.

Open to students who have pursued the subject of psychology.

RELATED COURSES IN OTHER DEPARTMENTS.

Department of Moral and Social Philosophy.—Courses in Ethics and Social Philosophy.

Department of Greek.—Courses in Plato's *Gorgias* and *Republic.*

Department of Latin.—Course in *Lucretius.*

Department of Zoölogy.—Course on the Central Nervous System and its Terminal Organs.

Major work in Philosophy: Ten year-hours, of which one may be in Ethics.

Note.—Students who intend to do major work in Philosophy will do well to take Course A in their second year.

PHYSICS.

FIRST SEMESTER.

A—*General Physics.* 4 hours.

Lectures on Mondays, Wednesdays, Fridays, 11.

See below for Laboratory hours.

Professor Crew.

General properties of Matter, Sound, Heat. Each week's work consists of two experimental lectures, one recitation, and one laboratory exercise. Ames's *Theory of Physics* is used as a text-book.

This course is intended for beginners. It requires no mathematics beyond that necessary for entrance. It is recommended as a first-year or second-year study to those contemplating the pursuit of any pure science, engineering, or medicine.

B—*Experimental Physics.* 4 hours.

Lectures, Tuesdays, Thursdays, 11.

See below for Laboratory hours.

Professor CREW and Dr. SNYDER.

Mechanics and Heat. An experimental study of Forces, Moments of Forces, Moments of Inertia, Elasticity, Heat Measurements, Thermodynamics, etc., forming an introduction to advanced Physics. Each week's work consists of two lectures and two laboratory exercises. Worthington's *Dynamics of Rotation* represents the ground covered.

For students who have completed Course A, or equivalent.

C—*Experimental Physics.* 4 hours.

Lectures, Mondays, Fridays, 8.

See below for Laboratory hours.

Professor CREW and Dr. SNYDER.

Electricity and Magnetism. Two lectures and two laboratory exercises each week. In the lectures the more general laws of electricity and magnetism are discussed; the practical equations employed in the laboratory will also be derived and discussed. J. J. Thomson's *Elements of the Mathematical Theory of Electricity and Magnetism* is employed as a text-book.

Henderson's *Practical Electricity and Magnetism* represents the ground covered in the laboratory.

For students who have completed Course A, or equivalent.

D—*Physical Manipulation.* 1 hour.

See below for Laboratory hours.

Dr. SNYDER.

Glass work, including cutting, drilling, grinding, ruling, and blowing of glass.

Metal work, including filing, drilling, screw-cutting, tempering, soldering, etc.

This course is intended for students who expect to teach physical science or to pursue advanced physics or engineering. It may be elected by those who are taking work in physics, beyond Course A. It requires three consecutive hours. A laboratory fee of two dollars will be charged to cover cost of material.

F—*Primarily for Graduates.* 6 hours.

Professor CREW.

During 1899–1900, Basset's *Physical Optics* was the subject of study. During 1900–1901 J. J. Thomson's *Applications of Dynamics to Physics and Chemistry* will be read.

The *Journal Club in Physics* meets on alternate Mondays at 7:30 P.M. The principal English, German, French, and American journals are reported upon.

LABORATORY HOURS.

The Physical Laboratory will be open each afternoon in the week except on Saturday. Students may select their own afternoons for work; but having once made a selection this must be strictly adhered to throughout the entire semester.

Major work: nine year-hours.

SECOND SEMESTER.

A—*General Physics.* 4 hours.

Hours as in first semester.

Professor CREW.

Electricity, Magnetism, Light.

B—*Experimental Physics.* 4 hours.

Hours as in first semester.

Professor CREW and Dr. SNYDER.

Light. An experimental study of the general phenomena of Refraction, Diffraction and Polarization. Spectroscopy. Photographic and micrometric study of various spectra, preceded by a special study of the spectrometer. Application of the principles of Diffraction and Interference to the Grating, the Telescope, and other optical instruments.

For students who have completed Course A, or equivalent.

C—*Experimental Physics.* 4 hours.

Hours as in first semester.

Professor CREW and Dr. SNYDER.

For students who have completed Course A, or equivalent. Electricity and Magnetism.

D—*Physical Manipulation.* 1 hour.

See below for laboratory hours.

Dr. SNYDER.

Photographic work, including preparation of developers, exposure and development of plates, lantern slides, printing,

toning, silvering of mirrors, drawing of quartz fibers, insertion of cross-wires and galvanometer suspensions.

F—*Primarily for Graduates.* 6 hours.

Professor CREW.

During 1900–1901 Thomson's *Applications of Dynamics to Physics and Chemistry* will be read.

The *Journal Club in Physics* meets on alternate Mondays at 7:30 P. M.

LABORATORY HOURS.

The Physical Laboratory will be open each afternoon in the week, except on Saturday. Students may select their own afternoons for work; but having once made a selection, this must be strictly adhered to throughout the entire semester.

Major work: nine year-hours.

PHYSICAL LABORATORY.

The Department of Physics occupies fourteen rooms in Science Hall, excellently adapted to their purposes. It is fairly well equipped with modern instruments, especially in the departments of acoustics electricity, and light.

Among rooms for special purposes may be mentioned a workshop in the basement, a room for work in spectroscopy, fitted with a curved grating, a room for dyeing and developing photographic plates, rooms for electric and magnetic work, a room for general optics, a photometric-room, and several small rooms for individual work.

On the first floor of the Physical Laboratory is provided a reading room and library, open from 8 A. M. till 5 P. M. every day except Saturday.

A power-house in the court of Science Hall contains a large and modern storage battery, three dynamos, and two engines. These supply the laboratory with currents of various voltages.

PHYSICAL CULTURE AND HYGIENE.

FIRST SEMESTER.

A—*Physical Training.* 1 hour.

Hour to be arranged.

Dr. HOLLISTER.

Lectures will be given upon the effects of different kinds of exercise upon the organs and structures of the body.

The part exercise plays in the prevention of disease and in the development of the body.

B—*Gymnasium Practice.* 1 hour.

Hour to be arranged.

Dr. HOLLISTER.

Physical examinations will be given. Regular classes for dumb bell and Indian club exercises will be formed. Credit for one semester-hour will be given for three hours per week of gymnasium practice between December 1st and April 1st of the following year.

SECOND SEMESTER.

A—*Hygiene.* 1 hour.

Hour to be arranged.

Dr. HOLLISTER.

Lectures will be given upon the care of the body and the prevention of disease.

B—*Gymnasium Practice.* 1 hour.

Hour to be arranged.

Dr. HOLLISTER.

Three hours a week in the gymnasium will be required between December 1st and April 1st of the following year, for which one semester-hour credit will be given.

POLITICAL ECONOMY.

FIRST SEMESTER.

A—*Political Economy.* 3 hours.

Mondays, Wednesdays, Fridays, 10.

Professor GRAY.

An elementary course in the Theory of Political Economy. Recitations and lectures with frequent written tests. Walker's Political Economy, Advanced Course, is used as a text.

Those who wish to specialize in Political Economy should begin the work earlier than their third year in college; but no student will be admitted to any of the courses in the department, except by special permission of the instructor, until he has completed the equivalent of one full year of college work.

In order to be admitted to any one of the Courses B, D or E, the student must have passed satisfactorily upon Course A, or its equivalent. *Course C requires no previous study of Political Economy.*

B—*Administration.* 2 hours.

Wednesdays, Fridays, 8.

Professor GRAY.

A course in administrative law and the comparative theory and history of administration of the leading modern nations. The course will treat of the general field of administrative study and the nature of administrative law, the comparative central administration of the leading countries, together with a study of the legal relations existing between the different organs of administration.

Goodnow's Comparative Administrative Law is used as a guide for the lectures on administration throughout the year.

Courses B and D are given in alternate years. Course D will be given in 1900–1901.

C—*Industrial History.* 3 hours.

Mondays, Wednesdays, Fridays, 11.

Professor GRAY.

Industrial History from 1750 to 1850. The effects of modern inventions and political changes on industrial methods and economic welfare. The formation of the *Zollverein*, the adoption of free trade by England, and the discovery of gold in California and Australia.

The work in this course is conducted chiefly by lectures, with a moderate amount of written work. No text-book is used, but topical references to the literature on the subject of each lecture are given.

D—*Finance.* 2 hours.

Wednesdays, Fridays, 8.

Professor GRAY.

A course in comparative public finance. General view of public finance. The objects and methods of public expenditure. Systems of taxation in the leading modern countries compared. The origin, methods and significance of public loans. The equilibrium of the budget.

Adams's Public Finance is used as a guide.

Course D is given in alternate years with Course B. Course B is given in 1899–1900.

E—*Seminary.*

Professor GRAY.

The seminary is open to graduates and to a limited number of undergraduates who seem to the instructor able to make original investigations.

Subjects can be definitely announced only after consultation with those who expect to take the work, the greatest liberty being allowed each student in choosing a subject for investigation.

In 1899–1900 a study of the railroads of Illinois has been made.

"Public Parks in Chicago," is suggested as a topic for the year 1900–1901.

No one will be allowed to register for less than three hours per week *throughout the year* in this course, and no undergraduate will be allowed to register for more than three year-hours, except by vote of the Faculty.

A room, containing a considerable library and tables with a lock-drawer for each student, is set apart for the exclusive use of the members of this seminary.

Tuesdays, 2–4 (October 1 to May 1).

Three to six hours for undergraduates.

SECOND SEMESTER.

A—*Transportation.* 3 hours.

Mondays, Wednesdays, Fridays, 10.

Professor GRAY.

An elementary course in the theory and history of transportation. Hadley's Railroad Transportation is used as a guide.

B—*Administration.* 2 hours.

Wednesdays, Fridays, 8.

Professor GRAY.

This course will deal chiefly with the problem of local administration, and more especially with the administration of cities and their relation to the central government.

C—*Industrial History since 1850.* 3 hours.

Mondays, Wednesdays, Fridays, 11.

Professor GRAY.

The economic significance of the American Civil War, the Franco-Prussian War, the rapid extension of the means of transportation, and the tendency to concentration and combination of capital and labor.

D—*Finance.* 2 hours.

Wednesdays, Fridays, 8.

A course in money and banking. Discussion of the theory, value and functions of money, and consideration of the principal modern banking systems of the world.

Dunbar's Chapters on the Theory and History of Banking and portions of White's Money and Banking will be read and compared with other writers on the same subjects.

E—*Seminary.*

Same as first semester.

Registration for any one of the Courses A, B, C, D or E must be for the whole year and not for either semester separately.

Major work: Ten year-hours, of which not more than three may be in the department of Moral and Social Philosophy.

RELIGIONS.

FIRST SEMESTER.

A—*Comparative Religions and History of Christian Missions.* 2 hours.

Wednesdays and Fridays, 11.

Professor LITTLE.

For *Philosophy of Religion*, see Philosophy E.
For *Bible Study*, see courses under that heading.
For *Greek New Testament*, see under Greek.
For *Hebrew Old Testament*, see under Hebrew.
For *History of the Christian Church*, see under History.

SPANISH.

FIRST SEMESTER.

A—*Elementary Spanish.* 3 hours.

Mondays, Wednesdays, Fridays, 9.

Miss FREEMAN.

General elective, but especially adapted to advanced students in French. The aim of the course will be the acquisition of

the power of intelligent reading. It is expected that advanced students will make the same progress as in the elementary year in French. The courses in Italian and Spanish are given alternately. Spanish will be given in 1900–1901.

Edgren's Grammar; Reader (Ramsey); Partir à Tiempo (Larra). Modern Prose Tales.

SECOND SEMESTER.

A—*Elementary Spanish.* 3 hours.

Mondays, Wednesdays, Fridays, 9.

Miss FREEMAN.

Grammar (Edgren); Composition; Doña Perfecta (Galdos). Un Drama Nuevo (Estebanez). El sí de las Niñas (Moratín).

SWEDISH.

FIRST SEMESTER.

A—*Modern Swedish Grammar and the Reading of Prose Selections.* 3 hours.

Hours to be chosen.

Professor ERICSON.

May's Swedish Grammar is the text-book used.

SECOND SEMESTER.

A—*Tegner's Frithjof's Saga and Selections from Kuneberg.* 3 hours.

Hours to be chosen.

Professor ERICSON.

ZOÖLOGY.

FIRST SEMESTER.

A—*General Biology.* 4 hours.

Lectures, Tuesdays, Thursdays, 9. Laboratory hours to be arranged between 9 and 12 Tuesdays, Wednesdays, Thursdays, Fridays.

Professor LOCY and Miss NEIGLICK.

A comparative study of living organisms as a whole, forming an introduction to the study of vital activities. In the laboratory the student acquires a knowledge of methods of study, and is taught to observe, to verify and record his observations. A general survey of the properties of living matter

is followed by study of a few selected types of invertebrate animals, beginning with the simplest and proceeding to the more complex. Parker's "Elementary Biology" and Marshall & Hurst's "Practical Zoölogy" are used as handbooks, and these are supplemented by lectures. In the lectures the physiological side receives most attention. See also further statement under the same heading second semester.

C—*Cytology and Histology.* 3 hours.

Lectures or recitations Wednesdays, 2. Laboratory hours to be arranged.

Dr. HILL.

Anatomy and physiology of the cell, microscopical structure of the elementary animal tissues, and principles and practice of the general methods of microscopical technique. Wilson's "The Cell in Development and Inheritance" forms the basis of the work on the cell.

D—*Comparative Anatomy and Physiology of Vertebrates.* 4 hours.

Lectures, Wednesdays, Fridays, 9. Laboratory work to be arranged on Tuesdays, Wednesdays, Thursdays, Fridays, 9–12.

Professor LOCY and Mr. GATES.

Study of Selected Vertebrate Types. The recitations and lectures will be based on Wiedersheim's "Comparative Anatomy of Vertebrates."

E—*The Central Nervous System and its Terminal Organs.* 1 hour.

Lecture, Tuesdays, 4. One hour, or accompanied with three hours' laboratory work, two hours.

Professor LOCY.

Comparative Structure of the Central Nervous System, with discussions on some of its physiological activities.

Lectures and demonstrations, adapted to those taking, or about to take, Psychology, and to others who wish to become acquainted with the structure and general physiology of the nervous system.

F—*Topics of Investigation.*

It may be elected as (*a*) five hours or (*b*) ten hours. Hours to be arranged with the instructor.

Professor LOCY.

Open to students who have completed two years' work in Zoölogy. Problems of limited extent are assigned after consultation with the professor in charge, and worked out under his direction with such help as is required. This forms an introduction to the work of original research. The completion of the course involves the consultation of the literature bearing on the problem in hand, and the preparation of a thesis embodying the results of the investigation. A reading familiarity with French and German is essential for entering this course.

G—*Research Work.*

May be elected as (*a*) ten hours or (*b*) fifteen hours. Hours to be arranged with the instructor.

Professor LOCY.

For graduate students who have completed the equivalent of the courses described above. Similar to Course F, but with broader scope and more rigid requirements as to the thesis, which must embody a critical review of the principal literature and substantial conclusions based upon the personal work of the student. Offered to students who are candidates for a graduate degree. Means of publication will be found for all papers which are worthy of it.

H—*Zoölogical Journal Club.* 1 hour.

Alternate Thursdays, 4.

Professor LOCY.

An organization of instructors and advanced students of the department for reports and discussions of biological literature.

SECOND SEMESTER.

A—*Structure and Development of Animal Life.* 4 hours.

Lectures, Tuesdays, Thursdays, 9. Laboratory hours to be arranged between 9 and 12 Tuesdays, Wednesdays, Thursdays, Fridays.

Professor LOCY and Miss NEIGLICK.

During the second semester a large part of the time is devoted to study of the development of animals, using eggs

of fishes, amphibia and the chick. This course is open to all students, and is required of those intending to take either Botany or Zoölogy as a major subject. A knowledge of elementary physics and chemistry is very desirable for all students entering this or any of the following courses.

C—*Microscopical Structure of the Animal Organs.* 3 hours.

Lectures or recitations, Wednesdays, 2. Laboratory hours to be arranged.

Dr. HILL.

Principles and practice of the important special methods of microscopical technique. Continuation of work of first semester. Piersol's "Histology" will be used as a text-book.

D—*Comparative Anatomy and Physiology of Vertebrates.* 4 hours.

Lectures, Wednesdays, Fridays, 9. Laboratory work to be arranged on Tuesdays, Wednesdays, Thursdays, Fridays, 9–12. In the second semester, when physiology is given, there will be one more recitation period and one less laboratory period.

Professor LOCY and Mr. GATES.

Physiology accompanied by laboratory work.
Hall's Physiology is used as a text-book.

[NOTE.—On alternate years, the work of the second semester will be on the Development of Animals instead of Physiology, as indicated above.]

E—*The Structure and Evolution of Sense Organs.* 1 hour.

Lecture, Tuesdays, 4. One hour, or accompanied with three hours' laboratory work, two hours.

Professor LOCY.

Continuation of work of first semester.

F—*Topics of Investigation.*

It may be elected as (*a*) five hours or (*b*) ten hours. Hours to be arranged with the instructor.

Professor LOCY.

Open to students who have completed two years' work in Zoölogy. Problems of limited extent are assigned after consultation with the professor in charge, and worked out under his direction with such help as is required. This forms an introduction to the work of original research. The completion of the course involves the consultation of the literature

bearing on the problem in hand, and the preparation of a thesis embodying the results of the investigation. A reading familiarity with French and German is essential for entering this course.

G—*Research Work.*

May be elected as (*a*) ten hours or (*b*) fifteen hours. Hours to be arranged.

Professor Locy.

For graduate students who have completed the equivalent of the courses described above. Similar to Course F, but with broader scope and more rigid requirements as to the thesis, which must embody a critical review of the principal literature and substantial conclusion based upon the personal work of the student.

Major work: Ten year-hours.

PROFESSIONAL STUDIES.

In some of the subjects taught in the College of Liberal Arts the instruction is so nearly identical with that given in the professional schools that students enrolled in this college, by making a proper choice of electives, may qualify themselves for advanced standing in those schools. In this way it is possible to reduce by one year the time required for earning both a collegiate and a professional degree. Students entering the Law or Medical schools with this advanced credit would find it necessary to do some extra work in the professional school during the first year. Students can attain the same end by electing, while registered in this college, a limited amount of work in the professional schools and have the same credited in the College of Liberal Arts for the Bachelor's degree.

Credit for studies pursued in the professional schools is restricted to work done in the departments of this University; and the time spent in these schools cannot be credited toward the year of residence in this department required of all candidates for a degree. In no case can more than twenty semester-hours be credited in this college for work done in the pro-

fessional schools; neither can credit be thus granted for any subject for which the student has previously obtained credit in whole or in part in this college.

Under conditions elsewhere stated, students having a Bachelor's degree and who are enrolled in some one of the professional schools may become candidates for the Master's degree while pursuing professional study. (See p. 148.)

Students enrolled in the College of Liberal Arts have permission of the Faculty of Arts to pursue work in any of the professional schools of the University with the view of securing credit toward the professional degree under the following conditions:

Those who shall have to their credit not less than one hundred and four semester-hours, including all the subjects prescribed for their degree except Philosophy E, and who therefore need not more than sixteen semester-hours (including Philosophy E) in order to complete all the requirements for graduation, may, with the approval of the Registration Committee, register their excess of time, above the one hundred and twenty hours, in work of some one of the professional schools; but the total work, collegiate and professional, shall not exceed twenty hours a week. The professional work cannot be undertaken without the consent of the faculty of the school concerned, and will be subject to any conditions that faculty may impose.

The following more detailed statement is made respecting combined courses in collegiate and professional studies:

Collegiate and Medical Studies. Students intending to enter the Medical School or the Woman's Medical School are strongly advised to pursue the following branches:

Physics,	150 recitation periods.
General Biology,	100 recitation periods.
Zoölogy,	100 recitation periods.
Chemistry,	200 recitation periods.
Botany,	100 recitation periods.
German,	130 recitation periods.

The recitation periods are supposed to be one hour in length, and the periods designated include the time spent in laboratory work. At least one-half of the time in each of these courses, except German, should be devoted to laboratory work.

Students desiring to shorten by one year the time required for the degrees in Arts and in Medicine can accomplish this result by spending four years in the College of Liberal Arts and electing the courses above advised. But this will involve some extra work during the first year in the Medical School. Or such students may, if they have secured one hundred semester-hours of credit at the end of their third year in the College of Liberal Arts, enter the Medical School at the beginning of the next year, thus spending four years in the latter school.

Collegiate and Law Studies. Students desiring to shorten the course in the Law School, or the period of study required for admission to the bar, should elect the law courses offered in the College of Liberal Arts. Those taking all the law courses offered may obtain advanced standing in the Law School of this University, and are also entitled to a certificate, which in some states will be accepted as counting a year in the period of study required of all candidates for the bar.

Students contemplating the study of law are also advised to elect during their undergraduate course the following subjects: Latin, Forensics, Elocution, Rhetoric, Logic, Ethics, Political Economy, Sociology, Constitutional History, and the History of Institutions.

Collegiate and Theological Studies. Students who contemplate the study of theology after graduation are advised during their undergraduate course to make themselves proficient in Greek, Latin and German. They are also advised to elect Philosophy, Courses A and B, as well as Moral Philosophy, Course A.

They are also advised that in the Theological Schools of this University they can shorten by one year the time required for the degree of Bachelor of Divinity by obtaining credit during their undergraduate course in the College of Liberal Arts in the following subjects: Hebrew, Courses A and B; Greek, Course J, and History, Course L.

GRADUATE WORK.

Certain advanced courses of instruction are offered in the College of Liberal Arts to graduate students. This work has not as yet been organized into a distinct graduate school. The conditions under which students may be registered for graduate work are elsewhere stated (see p. 144), as are the terms under which the advanced degrees may be conferred (see p. 148).

Students desiring to enter upon graduate work are advised

to consult or correspond with the chairman of the Committee on Graduate Study, Professor Daniel Bonbright.

The progress of candidates for advanced degrees will be tested from time to time by the instructors in charge, who will report thereon to the Faculty at least once a semester.

REGISTRATION.

Undergraduate Registration. Every undergraduate student is required to present himself for registration in the office of the Registrar, University Hall, and to complete his registration by the evening of the first Thursday of each semester. The following are the rules governing the registration of undergraduates.

1. Registration days are the first Monday, Tuesday, Wednesday and Thursday of the semester.

2. On the registration days of the first semester the student must register for the work of the whole year. He is expected to continue throughout the year the work then registered for, and cannot change it without special permission from the Registration Committee.

3. Before completing their registration students are required to consult as to their college work their Faculty advisers.

4. No college credit can be obtained for class work not regularly registered.

5. Every student must register for fifteen hours of work a week, unless permission has been obtained from the Registration Committee to register for less or more. Permission to register for more is a privilege, and will not be granted unless the committee is satisfied the student can carry the whole work creditably. Two hours of laboratory work is credited as one hour.

6. All undergraduates shall state upon their registration papers the full amount of work which they propose to undertake each semester, whether in the College of Liberal Arts or elsewhere, indicating the number of hours to be devoted to each subject, and the school or department in which it is proposed to do such work.

7. All students of the College of Liberal Arts desiring to take work in any other department of the University must first obtain formal consent from the Faculty of the College of Liberal Arts and also from the Faculty of the department concerned, and must file such consent with the Registrar prior to undertaking the work. Failure to comply with this regulation will be deemed sufficient

cause for the cancellation of the entire registration of the student concerned.

8. No one will be entered as candidate for a degree who has deficiencies in entrance work amounting to more than five hours a week through one year; and no student will be credited in the published lists of the catalogue with college work until these deficiencies are made up.

9. Required subjects take precedence in registration in the order of their requirement.

10. On the registration days of each semester all students must obtain from the Registrar vouchers for presentation at the Business Office of the University.

11. A fee of two dollars is charged for registration completed later than the appointed registration days.

Graduate Registration. Every graduate student, whether resident or non-resident, proposing to pursue advanced work, whether he intends to become a candidate for a degree or not, is required to register for the same in the office of the Registrar. The following are the rules governing such registration:

1. The registration of resident candidates for the Master's degree in Arts, Science, Philosophy, or Letters, must be effected not later than the first Monday in October next preceding the date of the final examination. In the case of non-resident candidates it must be effected one year earlier.

2. A student desiring to become a candidate for the Master's degree above mentioned, while enrolled in one of the professional schools of this University, must also register in the College of Liberal Arts, and is regarded, for this purpose, a resident candidate under Rule 1.

3. A student who does not become a candidate for the Master's degree until after graduation from one of the professional schools of this University must register for the same as early as the first Monday in October next following the completion of the professional course.

4. The registration of a candidate for the Doctor's degree must be effected not later than the first Monday in October.

5. A candidate for an advanced degree, prior to his registration, must make written application for enrollment to the Registrar, and furnish to him all data required for due record of his application, together with a statement of the courses of study he proposes to pursue.

6. The above application and statement of courses must be

approved by the Committee on Graduate Studies and the heads of departments under whom the work is to be taken, and such approval must be filed with the Registrar as a condition preliminary to registration.

7. Graduates of this, or other colleges, who are not candidates for an advanced degree, may, with the consent of the departments concerned, register as resident students in such advanced studies as they are found prepared to pursue.

ABSENCES.

When, in any semester, the number of his absences in a single subject exceeds one-eighth of the total number of required exercises in that subject, the student will be required to take, besides the regular examination, an additional examination in that subject on the last Thursday of the semester. In the second semester this examination will be on the last Friday of the semester.

When a student's absences in any study amount to one-sixth of the total requirement in that study, the student's registration in the subject will be canceled, and the privilege of examination denied. This rule is administered by the Committee on Records and Registration, which has power to restore the canceled registration.

EXAMINATIONS AND RECORDS.

At the close of each semester, examinations are held in the studies of the semester, but any student may be excluded from examinations whose daily work has not been satisfactorily done.

A *supplementary* examination for those who have failed in the work of any preceding semester will be held in the forenoon of the first Wednesday in the first semester, and of the first Monday in the second semester. No student may take more than one supplementary examination for the same item of credit. Students reported absent from regular examinations become subject to the rule concerning supplementary examinations. Those reported absent from a required *additional* examination are held to take that examination at the next date set for it, and no credit can be given until the examination is passed.

Incomplete work not made good before the close of the next succeeding semester shall be recorded as *failed.*

Undergraduates are not allowed credit for work done *in absentia.* Only those who have duly registered and regularly pursued their studies in their classes can be admitted to examinations.

The following action has been taken:

"The Faculty of Liberal Arts hold that the handing in by a student of written work not his own is an attempt to cheat, and thereby destroys the value of an examination, is dishonorable, and tends to undermine morals. The Faculty give notice, therefore, that they will expel from college any student found guilty of such conduct, and that the fact of his expulsion and the cause therefor will be posted on the college bulletin-board."

GRADES OF SCHOLARSHIP.

At the end of each semester the standing of a student in each of his courses is reported by the instructor to the Registrar and entered of record. The student's standing is expressed according to his proficiency by one of five grades, designated A, B, C, F, R. Grade A denotes excellent scholarship; grade B, scholarship of passing grade; grade C, unsatisfactory work; grade F, a failure, making necessary another examination; grade R, work which must be taken over in class. Grades A and B count toward a degree, as do a limited number of C grades, but not more than one-eighth of the work done under this Faculty and offered to meet requirements for graduation may be of the grade designated as unsatisfactory. One semester's work marked C may be counted toward graduation for each subsequent semester's work in the same department which is of higher grade; and further work marked C in excess of the one-eighth limit and not released by subsequent higher work in the same department may be released by examination under the same regulations as apply to work marked grade F, not, however, changing the mark C to any other mark.

When a mark F is removed by supplementary examination, the work shall be recorded as grade C released.

Instructors will report at once to the President the names of any students who have not satisfied them that they are doing their work properly. Any instructor, with the approval of the President, may at any time exclude from his course a student who, in his judgment, has neglected the work of the course. Such exclusion shall be reported to the Committee on Registration and to the Committee on Delinquent Students.

The semester record of each undergraduate is sent by the Registrar to the student's father or guardian.

CLASSIFICATION.

For the purpose of listing in the catalogue, the names of undergraduates are placed alphabetically in two groups under the headings: Candidates for the Bachelor's Degree, and Students not Candidates for a Degree. Opposite the name of each student in the first list is indicated the degree for which he is a candidate and the number of semester-hours of work successfully accomplished. These lists will be prepared from the Registrar's records as they stand on the evening of March 1st, but names of students who may enter after that time and before the publication of the catalogue will be included.

DEGREES.

Different lines of study lead to the degrees of Bachelor of Arts, Bachelor of Philosophy, Bachelor of Science, and Bachelor of Letters. The following regulations have been prescribed relating to the conferring of these degrees:

THE BACHELOR'S DEGREE.

1. Before being recommended for any Bachelor's degree the student must have pursued his studies in residence in the College of Liberal Arts of this University for at least one college year.

2. He must have completed all the courses prescribed for that particular degree, and such elective courses in addition as to have secured a total credit of one hundred and twenty semester-hours. The total credit obtained must include major work in at least one department.

3. In making up the total number of hours required for graduation, not more than one-eighth of the work done under this Faculty may be of the grade designated as unsatisfactory.

4. A student intending to become a candidate for a Bachelor's degree must formally announce his intention by filing his petition with the Registrar, using for the purpose a form provided by the University. This must be filed on or before the last Saturday in May of the year next preceding the year in which the candidate hopes to obtain the degree.

THE MASTER'S DEGREE.

The Masters' degrees are open to Bachelors of Arts, Philosophy, Science, or Letters of this University, or of any other institution of accepted grade. The following regulations have been prescribed:

1. Before being recommended for any Master's degree the student must have pursued his studies in residence in the College of Liberal Arts of this University for at least one year, except as stated below. The provision "in residence" requires of all so enrolled a weekly examination or conference with each instructor under whom work is taken.

2. One who obtained the Bachelor's degree at this University may become a non-resident candidate for the corresponding Master's degree, but a non-resident candidate cannot receive the degree earlier than two years after graduation.

3. One having the Bachelor's degree from this University, or from one of accepted grade, may become a candidate for the Master's degree while pursuing studies in the Medical, Law, or Theological schools of this University, or on the completion of the professional course.

4. The candidate must obtain credit in approved courses of study amounting to thirty semester-hours, unless he is enrolled in one of the professional schools above enumerated, or has graduated therefrom, in which case his credit must amount to twelve semester-hours of advanced work in an approved field of study, in addition to the completion of the maximum prescribed professional course. This advanced work may be taken either under the Faculty of Arts or the Faculty of the professional school, but in either case must be approved by the Committee on Graduate Study of the College of Liberal Arts.

5. At least one-half of the work offered for the degree must be chosen from one or, at most, two departments of study in which the candidate has previously taken the undergraduate *major work*, or an equivalent.

6. The candidate for the degree must present a thesis, on an approved topic, pertaining to the primary subject, and it must be filed

with the Registrar as early as the Saturday immediately preceding the last Monday in April.

7. Candidates for the Bachelor's degree who during their undergraduate course devote their excess of time to the continuation of their major subject, or to such other advanced topics as may be approved by the Registration Committee, may have such work, if satisfactorily completed, credited toward the Master's degree. But in no case will the Master's degree be conferred in less than one year after the conferring of the Bachelor's degree.

8. A non-resident candidate will be required to make written report from time to time as to the progress of his work.

9. The final examination of candidates will take place at the University at an appointed date, which will be about May 20th.

THE DOCTOR'S DEGREE.

The degree of Doctor of Philosophy will be conferred under the following conditions:

1. The candidate must have received the Bachelor's degree from this institution, or from some other of accepted standing.

2. The degree may be conferred on successful candidates after three years of graduate study, of which at least two must be in residence. The last year, or the first two years, of the three required must be spent in residence at this University. The period of three years may, however, be shortened in the case of students who, as undergraduates, have pursued special studies beyond the requirement for major work in the direction of their proposed graduate work. Study for any specified time will not be regarded as sufficient ground for conferring the degree. High attainments in scholarship and evidence of original investigation will be expected. "In residence" will be interpreted as defined under the requirements for the Master's degree.

3. Two-thirds of the candidate's time must be given to advanced work in some one department which shall constitute his primary subject. The remaining time must be given to either one or two secondary subjects. The requirement, "advanced work," will imply an amount of preliminary study in the given subject equivalent to at least the undergraduate "major work" of the department concerned.

A reading knowledge of French and German, as a preliminary qualification, will be required of all candidates. In exceptional cases an equivalent in Latin, Greek, or Hebrew may be accepted instead of French.

4. Every candidate must present a thesis upon an approved topic pertaining to his primary subject. The thesis must give evi-

dence of original investigation. A revised type-written copy must be presented to the Registrar as early as the Saturday next preceding the last Monday in April. If the thesis is approved the candidate must, within such time as shall be designated, present twenty-five printed copies of the thesis to the University Library. The final examination, which will be held about May 20th, will be both written and oral, and will cover the entire primary subject, including the topic of the thesis.

Each branch of the secondary subject may be completed whenever the candidate shall pass a written examination upon it.

The following joint requirements have been made by the College of Liberal Arts and Garrett Biblical Institute for the attainment of the degree of Doctor of Philosophy by students in theology:

1. The candidate for the degree of Ph. D. must have completed a Bachelor's course, the sufficiency of which has been accepted by a joint committee of the Faculty of the Institute and the Faculty of Liberal Arts.

2. He must have completed two full years of theological study, either in the Garrett Biblical Institute or in another theological school of recognized high standing.

3. He must be accepted as a candidate for the degree of Ph. D. by a vote of the Faculty of the Institute, and be registered as a candidate for such degree with the Registrar of the College of Liberal Arts; after which he must continue in residence at least two years, and complete the work of two full years. Of this work two-thirds must be taken in one department of the Institute—the department in which the candidate does his primary work. The remaining third may be taken in not more than two departments of the Institute, or of the graduate school of the College of Liberal Arts. The whole course of study selected will be subject to the approval of the Faculty of Liberal Arts, through its committee on Graduate Study. During the two years of his residence the candidate will be subject to the direction of the head of the department in which his primary work is taken.

Of the four years required as a *minimum* for the degree of Ph. D. three at least must be spent in residence at a theological school of high standing, and the last two at Garrett Biblical Institute.

4. A reading knowledge of French and German, as a preliminary qualification, will be required of all candidates. In exceptional cases a reading knowledge of Latin, Hebrew, or Greek may be accepted in lieu of French, at the option of the Faculty of Liberal Arts.

5. *Thesis.* Each candidate must present a thesis prepared by him, upon some topic related to his primary subject. The thesis must give evidence of original investigation. A year prior to the final examination, the subject of the thesis must be approved by the professor under whom the primary work is performed, and three months before the final examination it must be submitted to him for criticism. After criticism it must be presented again in typewritten form, upon letter paper of a good quality, of the quarto size, with a margin of not less than one inch at the top, at the bottom, and on each side. If the thesis is approved the candidate must, within a time designated, present twenty-five printed copies to the University Library.

6. The final examination will be both written and oral, and will cover the entire primary subject, including the topic of the thesis. Each branch of the secondary subject may be completed whenever the candidate shall pass a satisfactory written examination upon it.

7. The College of Liberal Arts shall always be represented on the committees for examining theses and candidates.

8. Graduate students in the College of Liberal Arts will be admitted to the graduate courses in Garrett Biblical Institute free of charge for tuition or incidentals.

GOVERNMENT.

Students are temporary residents of the city, and as such are amenable to the laws of the state and the ordinances of the city. They are also subject to the rules and regulations made by the Faculty. They are held to have a knowledge of the Statutes of the University and of all Faculty requirements published in this catalogue, or otherwise brought to their attention.

Students are suspended, dismissed, or expelled, whenever in the opinion of the Faculty they are pursuing a course of conduct seriously detrimental to themselves or the University. The University will not countenance either idleness or dissipation.

Athletics.—In the interest of the scholarship of the students, for the preservation of the athletics of the University from any danger of professionalism, and to guard against excesses of any kind, it has been thought expedient to place the subject of athletics under supervision. The following action has accordingly been taken by the trustees :

A committee for the regulation of athletic sports shall hereafter be annually appointed and chosen as follows: Three members of the University Faculties and three alumni of the University, these six to be appointed by the executive committee; and also three undergraduates to be chosen during the first week of the College of Liberal Arts year by the Athletic Association.

The committee shall have entire supervision and control of all athletic exercises within and without the precincts of the University, subject to the authority of the Faculty of the College of Liberal Arts.

In accordance with this action, a Committee for the Regulation of Athletic Sports has been created, and has adopted the following regulations:

1. No one shall participate in any intercollegiate game or athletic sport unless he be a *bona fide* student, doing full work in a regular or special course, as defined in the curriculum of his college; and no person who has participated in any intercollegiate game as a member of any college team shall be permitted to participate in any game as a member of another college team until he has been a matriculant in such college, under the above conditions, for a period of one year, or has obtained a college academic degree; and in the institutions represented in this conference, preparatory students shall not be eligible to membership on the college teams.

2. No person shall be admitted to any intercollegiate contest who receives any gift, remuneration, or pay for his services on the college team.

3. No student shall play on the teams of any college or colleges for more than four years in the aggregate.

4. No student shall participate in any intercollegiate contest who has ever used or is using his knowledge of athletics or his athletic skill for gain. No person who receives any compensation from the University for services rendered by way of regular instruction shall be allowed to play on any team.

5. No student shall play under an assumed name.

6. No student shall be permitted to participate in any intercollegiate contest who is found by the Faculty to be delinquent in his studies.

7. All intercollegiate games shall be played on grounds either owned by, or under the immediate control of, one or both of the colleges participating in the contest, and all intercollegiate games shall be played under student or college management, and not under the control of any other corporation, association, or private individual.

8. The election of managers and captains in each college shall be subject to the approval of its committee on athletics.

9. College football teams shall play only with teams representing educational institutions.

10. At least ten days before every intercollegiate contest, the respective chairmen of the athletics committee of the institutions concerned shall submit to each other a certified list of players eligible, under the rules adopted, to participate in said contest. It shall be the duty of the captains of the respective teams to exclude from the contest all players save those so certified.

11. Athletic committees shall require each candidate for a team to represent the University in intercollegiate contests to subscribe to a statement that he is eligible under the letter and spirit of the rules adopted.

12. No person having been a member of any college athletic team during any year, and having been in attendance less than *one college half-year*, shall be permitted to play in any intercollegiate contest thereafter until he shall have been in attendance six consecutive calendar months.

13. No schedule of games shall be fixed without the approval of the Committee for the Regulation of Athletic Sports. No additional dates for games shall be accepted without the approval of the chairman of said committee.

14. The selection of players for any team shall be subject to the approval of the Committee for the Regulation of Athletic Sports. And, in order to provide proper information on which to act, every student desiring to play on any team shall fill out a blank prepared by the committee. To this certificate shall be appended a certificate signed by the physical director, attesting the applicant's physical fitness for membership in the team proposed.

15. No students of the departments situated at Evanston, and no member of any University football or baseball team, shall, during term time, without the permission of the Committee for the Regulation of Athletic Sports, play on any like team not connected with the University.

The Committee for the Regulation of Athletic Sports for the current year consists of the following members: Professors Young, White, and Locy; Messrs. F. B. Dyche, '80; J. F. Oates, '93; A. N. Culver, '94; P. E. Thomas, H. F. Little, and R. S. Sturgeon.

Musical Clubs.—Student musical organizations, such as glee, banjo, or mandolin clubs, are under the supervision of a Fac-

ulty Committee appointed for that purpose. The chairman of the committee is to be informed of the intended organization of any such association, with its proposed plans, purpose, and membership. No formal organization is permitted without the knowledge and sanction of the committee. It is especially necessary that the business managers of such organizations make no final arrangements for public appearances of the clubs without the consent of the committee. Under no circumstances will concert dates be permitted to interfere with examinations, or to interrupt study routine. Students with defective standing are not allowed to be connected with such organizations.

The Committee on Musical Organizations consists of Professors Lutkin, Crook, and Hatfield.

Social Functions.—In the interest of the college community the Faculty have adopted the following regulation:

> No organization or group of students shall hold in any year more than one party or social entertainment at which both ladies and gentlemen are present, and then only with permission previously obtained from the Committee on Social Affairs. Such parties or entertainments shall close not later than eleven o'clock.

The Committee on Social Affairs consists of Professors Young, Fisk, Lutkin, Atwell, and Dean Miller.

RELIGIOUS CULTURE.

The charter of the University provides that "no particular religious faith shall be required of those who become students of this institution." This University was not established with the view of forcing on the attention of students the creed of any particular church, but for the promotion of learning under Christian auspices, and to aid students in the formation of a manly Christian character. This continues to be its aim and purpose.

Students are expected to attend public worship on Sunday in such church as they may prefer. A chapel service is held at noon of each day, and undergraduates who are not specially

excused are required to be present at three-fifths of the chapel exercises of each semester.

The following regulations have been established by the Faculty respecting the observance of this requirement:

1. When a student's record of chapel attendance shows deficiency at the end of any semester, one semester-hour shall be added to the requirements for graduation of that student for every three credits needed to make good the deficiency. In applying this rule, a deficiency of only one or two credits shall be passed over to the next semester. In larger deficiencies, the excess above the highest multiple of three shall also be carried over.

2. When at the close of a semester the chapel record of a student shows a surplus of chapel credits, the surplus credits shall be applied to cancel any semester-hours which may have been added to the requirements because of defective chapel record of any preceding semester; and the surplus chapel credits not needed to remove such semester-hours shall be transferred to the chapel record of the following semester.

3. When a student's chapel record shows a deficiency of credits for two distinct semesters which has not been removed by surplus credits in other semesters, he shall not be permitted to register again until permission is obtained from the Faculty through the Committee on Chapel by petition.

The Committee on Chapel Attendance consists of Professors Baird, Crook, and James.

Social religious meetings, conducted by the students, are held each week. The students' Christian associations hold stated meetings for religious improvement.

A course of University sermons is given each year by representative preachers of the various evangelical churches.

The Evanston churches are thrown open to students, and they are cordially welcomed to all religious services. The pastors in their pulpit instruction largely have in mind the spiritual needs of the students. Churches of the following communions are established in the city:

Baptist, Congregational, the Christian, Free Methodist, Church of Christ (Scientist), German Lutheran, German Methodist, Methodist Episcopal, Presbyterian, Protestant Episcopal, Roman Catholic, and Unitarian.

STUDENT ORGANIZATIONS.

Through the agency of voluntary student associations an active and earnest interest is maintained in matters which relate to the religious, intellectual and social life of the student community.

Christian Associations. A Young Men's Christian Association and a Young Women's Christian Association exist as distinct organizations, and exert a strong influence upon the religious life of the students. Under the direction of these organizations, social religious meetings are held each week and daily study of the Bible is promoted. These associations provide each year, at a low price for admission, an attractive series of lectures and musical entertainments.

They also conduct a bureau of employment, with a view of helping worthy students to obtain work which will aid them in defraying their college expenses.

Central Debating League. Northwestern University, the University of Michigan, Chicago University, and the University of Minnesota compose the Central Debating League. The purpose of this organization is the development of ready speakers and skillful debaters, through a public discussion of leading questions of the day.

The universities named are arranged in two groups for the semi-final debates. The final contest in each year takes place in the Auditorium at Chicago on the first Friday in April, at which time the debate is between the winners from the groups.

Through the generosity of Mr. Alexander H. Revell, of Chicago, a prize of fifty dollars is annually awarded to the side winning in the final debate.

Northern Oratorical League. — Northwestern University, the University of Michigan, the University of Wisconsin, the University of Iowa, Chicago University, and Oberlin College compose the Northern Oratorical League. The purpose of this organization is to promote an interest in public speaking, and to elevate the standard of oratory, by holding annual contests. The contests of the League are open only to undergraduates.

Through the generosity of Mr. Ferdinand W. Peck, of Chicago, a prize of $100 is annually awarded to the successful contestant, and one of $50 to the person winning second place.

Literary and Scientific Societies.—The following societies and clubs meet regularly for purposes of literary culture or for the advancement of knowledge in special fields: Hinman Literary Society, Rogers Debating Club, Adelphic Literary Society, Science Club, Die Deutsche Gesellschaft, Der Deutsche Litteratur Verein,

Botanical Club, Zoölogical Journal Club, Mineralogical Journal Club, Coffee Club, Historical Association, Good Government Club. Some of these organizations are composed of members of the Faculty and advanced students, who meet together for the presentation and discussion of the problems pertaining to their special departments.

Other Organizations.—Various other organizations are maintained by the students, including an Athletic Association, Glee, Banjo and Mandolin Clubs.

THE UNIVERSITY SETTLEMENT.

An association, composed of alumni and friends of the University, maintains at 252 West Chicago Avenue, Chicago, the Northwestern University Settlement. The object, like that of Oxford House and Toynbee Hall in London, the Andover House in Boston, and the several settlements in New York, is the sharing of the life of the poor by University men and women. College graduates and others reside in the settlement house and seek to influence the surrounding community as members of it. Opportunity is also offered to undergraduates for philanthropic work and practical acquaintance with sociological problems. The plan includes classes for instruction, clubs for social improvement, a reading-room, lectures, concerts, house-to-house visitation, and legal and medical dispensaries. The expenses are met by membership subscriptions and voluntary contributions.

FELLOWSHIPS AND SCHOLARSHIPS.

Fellowships.—The University has established for the year 1899–1900 four fellowships.

These fellowships are offered in the departments of English, German, Mathematics, and Zoölogy, for the purpose of encouraging advanced study in the branches named. The period of incumbency is limited to one academic year, which must be spent at this University, and the incumbents are required to give limited assistance in the work of instruction.

The Catherine M. White Scholarships.—The University has received a bequest of nine thousand dollars under the will of Catherine M. White, of Evanston, to establish three scholarships. The will provides that these scholarships shall be assigned by Dr. Henry Wade Rogers during his lifetime.

The Missionary Scholarships.—The Board of Trustees of the University, in June, 1899, established two scholarships in

the College of Liberal Arts, entitling the holders to free tuition. The Northwestern Branch of the Woman's Foreign Missionary Society of the Methodist Episcopal Church may nominate to these scholarships persons intending to enter upon mission work in the foreign field. In making nominations preference shall be given to students from foreign lands.

The Methodist Episcopal Church Scholarship.—A scholarship yielding annually the interest on one thousand dollars has been founded by the First Methodist Episcopal Church of Evanston, for the benefit of meritorious students.

The Chicago Times-Herald Scholarship.—A scholarship, the gift of the Chicago *Times-Herald*, which affords free tuition and incidental expenses, is each semester awarded by the Faculty.

The Marcy Scholarship in Biology.—A table has been secured at the Marine Biological Laboratory, Wood's Holl, Massachusetts, for the sole use of advanced students from the biological departments of the College of Liberal Arts. The occupants of this table will be entitled each season to all the privileges of the laboratory, including instruction, lectures, and the use of appliances and apparatus. The appointments to the scholarship will be made in June.

PRIZES.

The following prizes, offered to the students in the College of Liberal Arts, are open only to students who are candidates for a degree. No successful contestant can become a second time a competitor for the same prize. No person will be allowed to compete for any prize against whom, at the time for appointing contestants, unredeemed failures are recorded in more than one department of study.

The Kirk Prize in Oratory.—A prize of one hundred dollars, the gift of Mr. John B. Kirk, of Evanston, will be awarded each year to the member of the graduating class who excels in original oratory. The conditions on which the award will be made are as follows:

1. Five contestants will be appointed by the Faculty, and announcement of the appointments will be made the first Friday in May.

2. These appointments will be made on the basis of the rhetorical work done during the last three years of the undergraduate course—equal weight being given to the following records: (1) English A; (2) English B; (3) Elocution B; (4) Elocution C; (5) Orations of the fall and winter terms of the year of graduation; (6) the Oration of the spring term of the same year.

3. At this contest no prompting of the speakers will be allowed, and failure of memory will exclude a competitor from consideration in the assignment of the prize.

4. The award will be made by a committee appointed by the Faculty, but composed of persons who are not members of the Faculty. The decision will be announced at Commencement.

The Harris Prize in Political and Social Science.—A prize of one hundred dollars, the gift of Mr. Norman W. Harris, of Chicago, will be awarded to the writer of the best essay on an assigned topic in the department of Political and Social Science.

The subject assigned for the year 1899–1900 is: "The Regulation of Railroads by the State of Illinois." The subject for the year 1900–1901 is, "The History and Administration of the Public Parks of Chicago, with Suggestions for Making the Parks more Useful." The conditions on which the Harris prize will be awarded are as follows:

1. No undergraduate student will be allowed to compete for this prize unless he shall have completed at the time of making the award the equivalent of Courses A and C in Political Economy.

2. Essays offered in competition for this prize must contain not less than 10,000 words, and must be either printed or typewritten. If typewritten, they must be on letter paper of a good quality, of the quarto size, with a margin of not less than one inch at the top, at the bottom, and on each side, so that they may be bound without injury to the writing. On the title page of each essay must be written an assumed name, and under cover with the essay must be sent a sealed letter containing the true name of the writer and superscribed with his assumed name.

3. The copies of all essays submitted for this prize become the property of the college, and the essay receiving the prize shall have indorsed upon it a certificate of that fact.

4. Each year the essays submitted in competition for this prize must be deposited with the Registrar of the Faculty before 12 o'clock noon on May 1st.

5. The Faculty will appoint three judges of the essays offered and the prize shall be awarded to the essay declared by two of the judges to be the best; *provided*, that the University expressly reserves the right to make no award of the prize in any year in which the best essay offered shall, in the opinion of a majority of the judges, not be of sufficient merit to deserve a prize.

The Gage Debate Prizes.—Three prizes, of fifty, thirty and twenty dollars, respectively, are given annually by the Honorable Lyman J. Gage, of Washington, D.C., for excellence in debating. The recipients of these prizes are selected through a series of debates, held in the autumn of each year, to which students from all departments of the University are eligible. The three men receiving the highest marks in this series of debates receive the Gage prizes in the order of their markings, and they also become the representativees of the University in the annual contest of the Central Debating League.

The Cleveland Prize in Declamation.—Two prizes of fifty and twenty-five dollars, respectively, the gift of Mr. C. B. Cleveland, of Evanston, will be given to the students who shall excel in declamation.

1. Six candidates will be appointed by the Faculty, the selection being confined to students who have completed not less than 50 hours of college work, Elocution B included.

2. The announcement of the contestants for 1900 will be made on October 3, 1900, and the contest will occur on the evening of February 22, 1901.

3. In the competition one of the prizes at least must be given for an oratorical effort. In no case may a declamation exceed twelve hundred words.

4. At this contest no prompting of the speakers will be allowed, and a failure of memory will exclude a competitor from consideration in the assignment of the prize.

5. The award will be made by a committee appointed by the Faculty, but composed of persons who are not members of that body.

The Deru Prize.—The Deru Society offers for the current year a scholarship prize of one hundred dollars. The prize is to be awarded to the student who at the end of his second year in college shall appear to the Faculty to be of especial merit in scholarship. The award is to be made through a

committee of the Faculty. The payments will be fifty dollars at the opening of each semester of the student's third year in college.

The Northern Oratorical League Preliminary Prize Contest.—A friend of the University offers three prizes of fifty dollars, thirty dollars, and twenty dollars, respectively, to the contestants obtaining the first, second, and third honors in the preliminary contest to determine who shall represent the University in the Northern Oratorical League contest.

The American School of Classical Studies at Rome.—This University is a contributor to the support of the American School of Classical Studies at Rome. The school affords facilities for archæological and classical investigation and study in Rome, and graduates of the College of Liberal Arts are entitled to all its advantages without expense for tuition.

THE GROUNDS AND BUILDINGS.

The Campus has an area of about forty-five acres, and is beautifully situated on the shore of Lake Michigan. University Hall, the Fayerweather Hall of Science, the Dearborn Observatory, the Gymnasium, the Old Academy, the Dormitory, Heck Hall, Fisk Hall, Memorial Hall, Swift Hall, and the Orrington Lunt Library are all on the Campus. The Woman's Hall and the College Cottage are distant from it about five minutes' walk.

The University has provided large athletic grounds and has been at considerable expense in preparing them for use. In addition, the alumni and students have erected a covered grand-stand, which provides seats for about seven hundred persons. In connection with it are dressing-rooms for the use of athletic teams, together with the necessary baths.

A detailed statement as to the University buildings in Evanston is given below. An account of those which are in Chicago will be found in the portions of the catalogue which relate to the professional schools.

University Hall was erected in 1869. It contains the museums of anthropology, botany, geology, and zoölogy, the botanical and zoölogical laboratories, as well as a large number of lecture and

recitation rooms. Adjoining the recitation rooms are the private offices of the professors. Here also is the office of the President of the University.

The Fayerweather Hall of Science, erected in 1886, was the gift of the late Mr. D. B. Fayerweather, of New York City. It is constructed of stone and red pressed brick, with terra-cotta trimmings.

The front is 130 feet, and the depth 60 feet. At the rear are two wings, extending 54 feet, inclosing a court 54 feet square. The whole building is divided into two departments, for chemistry and physics, separated by a fireproof wall reaching from the foundation to the roof. The building is heated with steam, and is thoroughly ventilated. It has the latest improvements and facilities for instruction in chemistry and physics.

The Dearborn Observatory was erected in 1888–89 through the generosity of Mr. James B. Hobbs, of Chicago. Its length from north to south is 81 feet, and its greatest breadth is 71 feet. It is constructed of stone in the most substantial manner. The building includes a dome for the great Equatorial, a Meridian Circle room, Library, and eight additional rooms for other purposes. The whole is arranged especially for convenience in carrying on astronomical work.

The Orrington Lunt Library Building was erected in 1893–94. Its erection was made possible by a gift from the late Mr. Orrington Lunt, of Evanston, supplemented by the gifts of other generous donors. The appearance of the building, in its proportions and architectural details, is noble and pleasing. The material used is Bedford limestone. The dimensions of the building are 150 by 56 feet. The main floor contains the room for book storage, the reading and reference room, and the offices of administration. On the second floor there is an auditorium of handsome finish, with seating capacity for about five hundred and thirty persons. On the same floor there is a large lecture-room, and other apartments for class, seminary or office use. In the third story, which extends over the central section of the building, and in the well-lighted basement, there are rooms used for recitations and also for general University service. The building is heated by steam from a detached station. It is lighted throughout by gas.

Memorial Hall, a handsome structure of pressed brick, was erected for the Garrett Biblical Institute, and dedicated in May, 1887. The most attractive part of the interior, and the feature which gives the building its name, is the chapel, which has seating capacity for about five hundred. The windows at the ends of the room, and the apse, are adorned with elaborate designs in rich cathedral glass. The designs are in harmony with the idea of the "Memorial Hall," being

in memory of deceased professors of the institute, and of others who have been well known for their interest in theological education.

Fisk Hall.—This building was erected in 1898 and dedicated January 28, 1899. It is devoted to the work of the Academy, and is named for Principal Herbert F. Fisk, who has been connected with the Academy since 1873. The building is Romanesque in style, and is a three-story structure of brick and terra-cotta, with stone trimmings and a tile roof. It cost about $75,000, and was the gift of Mr. William Deering. The building stands at the south end of the Campus and has a frontage of 180 feet on Sheridan road. The heating, lighting and ventilating appointments of the building are as perfect as science can make them. Both gas and electricity are used in lighting. The woodwork throughout is quartered oak.

The Annie May Swift Hall.—This building was erected during the years 1894–95, for the work in elocution and oratory. The style of architecture is Venetian. The lower part of the building is of rock-faced Lemont limestone, and the upper stories of buff-colored Roman brick and terra-cotta. The floor is of red tile. The building is heated by steam and lighted by both gas and electricity. It is named in memory of a deceased daughter of Mr. Gustavus F. Swift of Chicago, one of the trustees of the University, and the largest contributor for the erection of the structure. On the first floor is an auditorium, and reading and reception rooms. The second story is divided into fifteen rooms for private instruction. The floors and partitions are deadened by an improved system of construction.

Music Hall is situated immediately north of Woman's Hall, a short distance west of the Campus. It is designed as a home for the School of Music, and was completed in time for occupancy during the spring term, 1897. It is substantially built of stone and brick, surmounted with a tile roof and finished in Georgia pine. The basement floor is intended for use as a gymnasium for all young women connected with the University. The floors being supported by trusses, a clear space of 40 by 80 feet, and 9 feet high, is available for this purpose. The first floor is divided into fourteen teaching and practice rooms, including an office. The second floor contains three additional class-rooms and a well-arranged concert-hall, seating over three hundred. The hall is provided with a large stage, dressing-rooms, a grand piano, and a two-manual pipe-organ with pedals.

The Old Academy.—This building was the first to be erected by the University, and originally stood on the corner of Hinman Avenue and Davis Street. For many years it was the only building that the University possessed that was used for educational purposes. The College of Liberal Arts and the Preparatory School made common use of it. It contained class-rooms, chapel, library, museum, offices

for the professors, and a separate room for each of the two literary societies. The Methodists, before they erected a church edifice, worshiped in its chapel, which was the first room on the right as one entered the building. The Presbyterians and Congregationalists made a similar use of it at a later period. The library was a rear room in the third story. The building was moved to the Campus, in 1869, and it was enlarged by an addition to the rear. In 1899, it was moved from the site west of Fisk Hall and fronting the Sheridan road, to its present position south of the gymnasium and to the rear of Fisk Hall. It has been refitted and is used at present for general University purposes.

Gymnasium.—This is a well-lighted, two-story brick building. The basement contains dressing-room, lockers, baths, and a place for ball-throwing. The exercising-room is 40 by 80 feet, with a height of ceiling of 20 feet, unobstructed by pillars, leaving considerable space for the practice of indoor athletics. It is well supplied with light and heavy apparatus for general gymnastic and athletic exercise, together with such appliances as are necessary for the development of a symmetrical body. The director's office is on the main floor, and contains appliances for making physical examinations. The entire building is lighted by electricity.

The Dormitory, erected in 1890, is a substantial and attractive building, designed to accommodate a limited number of young men, at a moderate charge for rent. The rooms are, for the most part, in suites, consisting of a study and two well-lighted bedrooms with wardrobes.

Heck Hall, the dormitory of the theological students, was dedicated in July, 1867. It is built of Milwaukee brick, and is five stories in height. It is heated by steam and lighted by electricity.

Woman's Hall is constructed of brick, with stone trimmings, and is a large and elegant edifice. It accommodates 135 students, contains a chapel and other public rooms, but is chiefly devoted to private apartments for young women. Many of the rooms are in suites. They are of good size, well lighted and ventilated, and are, in an unusual degree, cheerful and attractive. The building is provided with fire escapes, and is heated by hot water.

The College Cottage.—It is a convenient and well-furnished home, constructed of pressed brick and stone, and affords accommodation for about fifty young women. It is situated directly opposite Woman's Hall.

THE LIBRARIES.

The Library of the College of Liberal Arts is accommodated in a commodious library building, which was occupied first in 1894, and is elsewhere described. During the college year the library hours are from 8 to 12 A.M. and from 1:30 to 5 P.M. On Saturday the hour of closing is 4 P.M. All officers and students of the University may draw books for home use. Persons not connected with the University, who desire to use the library for purposes of study, and who are responsibly introduced, may be allowed library privileges. It contains 42,765 bound volumes, and about 23,000 unbound pamphlets.

It is classified in two sections, the General Library and the Greenleaf Library. The General Library, numbering 31,519 volumes, is designed to supply books appropriate to the several departments of study in the University, and also to furnish students with works of general reading and reference. The reading-room is provided with a varied selection of periodicals, complete sets of many of which are placed on the shelves for reference.

The Greenleaf Library, the gift of the late Luther L. Greenleaf, Esq., contains 11,246 volumes, also a large and valuable collection of unbound discussions and monographs, chiefly publications of foreign universities and learned societies. It is unusually complete in the Greek and Latin classics, every author being represented by the best editions from the earliest to a recent date. It contains also a choice selection of standard works in German and other modern languages. In the subjects of history, philosophy, theology, and the fine arts, there are many works of unique value.

The Schneider collection, lately added to the German section of the library through the generosity of friends of the University, numbers 2,500 volumes. It includes many original editions of standard authors. Among its rarities are original prints from the period of the Reformation, and a large collection of annuals (*Musenalmanache*) of later centuries.

The Orrington Lunt Library Fund, the gift of the gentleman whose name it bears, is set apart as an endowment for the purchase of books. The fund promises, as it becomes productive, to give the library large and permanent growth.

On payment of the regular term bills, every student is entitled to the privileges of the library.

The Library of the Garrett Biblical Institute, numbering 12,500

bound volumes, is at the service of students of the University. They have access also to the Evanston Public Library and to the great libraries of Chicago—the Chicago Public Library, the Newberry Library, the John Crerar Library, and the Library of the Chicago Historical Society.

THE ASTRONOMICAL OBSERVATORY.

The Observatory is known as the Dearborn Observatory, having acquired a reputation under that name before it was removed from Chicago to Evanston and became the Astronomical Department of the University. Its objects are to make original researches in astronomical science, to assist in the application of astronomy to geography, to communicate exact time, and to furnish instruction in astronomy to the students of the University, both those in the regular course and those who give special attention to the study.

The Observatory will be open to visitors on Thursday evening of each week. Visitors may also be admitted at other times by making special arrangements with the President of the University or the Director of the Observatory.

The principal instruments of the Observatory are :

1. The great equatorial refracting telescope, made by Alvan Clark & Sons, of Cambridge, Massachusetts, in 1861. This instrument was the largest refractor in the world until a few years ago, and now has few superiors. The telescope is fitted with driving clock, micrometer, and other appliances necessary for first-class work. The dimensions of the Equatorial are:

Diameter of declination circle, 30 inches; reading by vernier to five minutes, and by two microscopes to ten seconds of arc.

Diameter of hour circle, 22 inches; reading by vernier to single minutes, and by microscopes to single seconds of time.

Focal length of telescope, 23 feet.

Aperture of object glass, 18½ inches.

2. A Meridian Circle of the first class, constructed in 1867, by Messrs. A. Repsold & Sons, of Hamburg. This instrument has an object glass of six French inches aperture, and a divided circle of forty inches diameter, reading by four microscopes. In plan of construction it is like Bessel's celebrated Königsberg circle by the same makers, but has some recent improvements in the mode of illuminating the field of view, together with apparatus for registering decli-

nations. Hough's printing and recording chronographs are used for recording meridian observations and other phenomena.

The Observatory has a chronometer (William Bond & Son, No. 279), three mercurial pendulum clocks, and an astronomical library containing about thirteen hundred volumes and pamphlets.

THE MUSEUMS.

The Museums of the College of Liberal Arts contain collections illustrative of anthropology, art, botany, geology, mineralogy and zoölogy.

The collections relating to anthropology, botany, geology, and zoölogy are at present contained in University Hall. The art collection is in the Orrington Lunt Library. The mineralogical collection is in the Fayerweather Hall of Science.

The following descriptions indicate the character of the collections:

MUSEUM OF ANTHROPOLOGY.

This comprises mainly collections in aboriginal archæology. Primitive ceramic art in this country is well represented by several hundred specimens from the mounds of Illinois, Wisconsin, Kentucky, and Missouri.

Primitive work in stone and copper is represented by large collections from various parts of the United States and from England. The Museum contains more than 7,000 specimens neatly arranged in cases in a department by themselves.

MUSEUM OF ARTS.

A large room in the Orrington Lunt Building has been handsomely fitted up by the University Guild for an art collection which the Guild has collected for the University. The Guild is an organization of two hundred women, who contemplate the ultimate erection of a museum building for the University, and who seek to secure for it valuable works of art. The collection already secured is valued at several thousand dollars. A fine collection of pottery and porcelain has already been made, including handsome specimens of Doulton, Royal Worcester, Wedgwood, Coalport, Elton, Royal Berlin, Royal Copenhagen, Royal Vienna, Hungarian, Russian, Spanish, Royal Sèvres, Limoges, Italian, Chinese, Delft, Rookwood, and Bulgarian ware. There are fifteen specimens of Doulton ware, including the famous Lambeth Faience Vase, which attracted so much attention at the Columbian Exposition. This vase is six feet three inches in

height, and two feet six inches in diameter, and the duplicate of it was sold in England for $6,000. There are handsome specimens of French bronze and of Venetian, Bohemian, and Favrile glass. The collection also includes some fine plaster casts presented by the French government, as well as twenty busts of eminent scholars, and Thorwaldsen's Mercury, Venus, Hebe, and the Shepherdess.

The Art Museum is open to the public on Wednesday afternoons.

MUSEUM OF BOTANY.

The college herbarium is made up of gifts received from friends of the college and of collections made by students and instructors. It now contains about five thousand species. It includes collections made by Kennicott from the Red River of the North; by Vasey from the Rocky Mountains; by Thomas and Bentley from Southern Illinois; by Mrs. Kidder from Brazil; collections from New England and New York, the Lake Superior region, and Cook County, Illinois.

The Henry H. Babcock herbarium, donated in 1887, by Mrs. Mary Keyes Babcock, of Kenilworth, is systematically arranged, handsomely provided for in substantial cases, and contains ten thousand species from all quarters of the globe.

MUSEUM OF GEOLOGY.

This museum contains typical rocks from this country and from Europe. They exhibit the variations in structure and texture of the large groups of sedimentary, crystalline (metamorphic), and igneous rocks. They also show the rock formations in the geological column from the more ancient to the recent rocks.

The series of fossils, both of plants and of animals, are quite extensive, containing characteristic fossils of the different geologic periods. The collections which are especially valuable are: 1, Cretaceous and Tertiary fossils, the gift of the Smithsonian Institution; 2, Fossils and rocks from Illinois Geological Survey; 3, Niagara fossils from Chicago and Racine, some of which are type specimens; 4, Illinois Carboniferous flora, largely from Grundy County; 5, Miscellaneous, containing valuable specimens from many parts of the world. In addition, the museum contains casts, models, charts, photographs, lantern slides, and maps. Taken as a whole, this museum illustrates the natural history of the crust of the earth.

The museums of geology and mineralogy contain 21,000 specimens.

MUSEUM OF MINERALOGY AND LITHOLOGY.

The Mineralogical Museum contains specimens of most of the mineral species in such numbers as to well illustrate their characteristics and occurrence.

Besides those specimens which have been accumulating to the museum for several years are to be mentioned the Ayers loan-collection; additions from the Columbian Exposition, consisting chiefly of mass specimens and illustrations of economic ores; the Tyler collection, containing many crystals, notably good calcites; and a fine collection of azurites and malachites. Owing to want of space and cases, the museum is partly in University Hall and partly in Science Hall.

In the Lithological section are several hundred rock specimens from different parts of this country and from Europe.

MUSEUM OF ZOÖLOGY.

This museum contains (1) all (with few exceptions) the mammals, birds, reptiles, and batrachians indigenous to Illinois; (2) all the mammals and birds of the New South Wales exhibit at the Columbian Exposition. The kangaroos and lemurs, the platypus and the echidna, the emu and the cassowary, the rifle-bird, the regent and the lyre bird, and the apteryx from New Zealand, in all 450 specimens, make a very complete presentation of that strange fauna; (3) a series of birds and a series of corals from the Philippine Islands (it is thought that the species of cuckoos and parrots are complete for the locality); (4) a series of skeletons, mostly prepared by Ward, including the elephant, the whale, the American crocodile, and skeletons of birds and fishes; (5) miscellaneous (among the larger animals are the moose, the buffalo, the Virginia deer, the white bear, and the reindeer). There are birds from India, Central America, Brazil, British Guiana, Norway, and Russia. There is a collection of fifteen thousand marine and fresh-water shells. There is a large collection of fishes donated by the Smithsonian Institution; also fishes from Lake Michigan, prepared by Dr. Phillips. There are crustaceans, echinoderms, sponges, and a multitude of low forms of marine life, many of them collected by Prof. Wm. N. Rice of Middletown, Connecticut. This museum contains 30,000 specimens.

CHICAGO ACADEMY OF SCIENCES.

The extensive collections of the Chicago Academy of Sciences are accessible to all students of the University.

THE LABORATORIES.

In the several laboratories of the College of Liberal Arts opportunities are provided for practical instruction in botany, chemistry, geology, mineralogy, physics, and zoölogy.

BOTANICAL LABORATORY.

Provision is made for conducting the work of the botanical courses in four rooms on the third floor of University Hall. Tables, compound and dissecting microscopes, glassware, reagents and lockers are provided for each student. Microtomes, incubators, and sterilizing apparatus are provided for the advanced courses. For the work in vegetable physiology material is obtained from neighboring greenhouses.

CHEMICAL LABORATORIES.

The accommodations of the Chemical Department in Science Hall include, on the main floor, a lecture-room, seating sixty; a preparation room; a laboratory for general chemistry and qualitative analysis, with forty-six tables; a laboratory for quantitative analysis, with twelve tables; a balance-room, the professor's office and private laboratory, and an assistant's room; in the basement, a general storeroom, a mineralogical laboratory and collection-room, and a room with four tables equipped with special conveniences for water analysis.

GEOLOGICAL LABORATORY.

The Geological Laboratory is in University Hall and contains: (1) working tables for students, (2) study collections of typical rocks, minerals and fossils, (3) photographs and geological maps, (4) a geological library, (5) topographical models, (6) a large number of topographic maps. In addition to the above is a collection, belonging to the Wisconsin Geological and Natural History Survey, of over 700 specimens from the copper-bearing rocks of the Lake Superior district, and the private rock collection and geological library of Prof. Grant, all of which are open to students. The Geological Museum is on the floor above, and its specimens are also available for study and comparison.

MINERALOGICAL LABORATORY.

In the basement of Science Hall is situated the Mineralogical Laboratory, which contains models, glass and wooden, and goniometers for the study of crystallography; a large collection of minerals, an economic collection, blowpipe materials, rock-cutting machines, and petrographical microscopes, for students' use in mineralogy and petrology.

PHYSICAL LABORATORY.

The Department of Physics occupies fourteen rooms in Science Hall, excellently adapted to their purposes. It is fairly well equipped with modern instruments, especially in the departments of acoustics, electricity, and light.

Among rooms for special purposes may be mentioned a workshop in the basement, a room for work in spectroscopy, fitted with a curved grating, a room for dyeing and developing photographic plates, rooms for electric and magnetic work, a room for general optics, a photometric-room, and several small rooms for individual work. In the court of Science Hall is a power-house with an outfit of two engines, three dynamos and a large storage battery. These furnish power to the Observatory and Physical Laboratory. Light and ventilation for other buildings are also furnished from this source.

ZOÖLOGICAL LABORATORY.

The work-rooms of the Department of Zoölogy comprise a large general laboratory, a laboratory for vertebrate zoölogy, a seminary room, which is also used as a department library, and a preparator's room. In the general laboratory, lockers, tables and apparatus are provided for thirty-four students. The equipment consists of thirty-one excellent compound microscopes, several microtomes of the most recent make, dissecting microscopes and instruments, incubators, aquaria, glassware, reagents, and other apparatus necessary for elementary and advanced work in Zoölogy. The department is also supplied with a full set of Leuckart's Zoölogical charts and several sets of Ziegler's wax-models. The library facilities for work in Zoölogy have been increased by the addition of several important biological periodicals and by the purchase of a large number of books and monographs.

THE GYMNASIUM.

A gymnasium is provided for physical culture, which is under the immediate supervision of a competent director, who gives his entire time to the class and individual instruction of students of both sexes. The gymnasium is open every secular day from 10 A.M. till 6 P.M., with the exception of Saturdays, when it closes at 3 P.M. Each student, upon entering the gymnasium, may, if he so desires, be measured and thoroughly examined physically; his health, strength, muscular development, physical defects, etc., will be carefully noted. From these data a special course of exercises, based on scientific principles, will be prescribed to meet his individual needs.

It is the purpose of the director of this department to offer to each student such advice and prescribe such exercises as will give increased health, strength, and symmetry of body.

THE FEES AND EXPENSES.

Matriculation Fee. Every student, before entering the College of Liberal Arts, is required to pay a matriculation fee of five dollars. This fee is paid but once.

Semester Fees. An undergraduate student is required to pay a fee of thirty-five dollars at the beginning of each semester, of which amount twelve dollars is for incidentals and the balance for tuition. The sons and daughters of ministers, as well as students who are preparing for the Christian ministry, and are properly recommended, pay eighteen dollars a semester.

Students pursuing a single study pay a fee of eighteen dollars a semester, except those who are preparing for the ministry, or who are the children of ministers, in which case the fee is twelve dollars a semester.

A graduate student in residence is required to pay fifteen dollars a semester. If not in residence he pays a fee of ten dollars at the time of registration, and on the presentation of his thesis, preparatory to his final examination, an additional fee of twenty dollars.

Laboratory Expenses. Students who pursue laboratory courses are required to pay for the materials and apparatus actually consumed by them. To this end they are required to make a deposit at the beginning of each semester for materials and for the use and breakage of apparatus. Unexpended balances are returned to them. These deposits are different for the different courses. In the Chemical laboratory, for Course A the deposit is $7.50 a semester, while for Courses B, C, or D, it is $9.00 a semester. In the Zoölogical laboratory, the deposit required is $5.00 a semester. In the Mineralogical laboratory, a fee of $3.00 will be charged for Course A in the second semester. In the Physical laboratory, a fee of $2.00 will be charged for Course D. These deposits are required alike of graduate and undergraduate students.

Diploma Fee. The diploma fee is $10.00 for all degrees granted by the College of Liberal Arts.

Board and Lodging. Students living in Woman's Hall pay according to the desirability of the room, from $99.00 to $108.00 each semester. Students in College Cottage pay for room and board $50.00 each semester, payment to be made in quarterly installments at the beginning and at the middle of each semester. A deposit of two dollars is required when a room is reserved. The figures given for Woman's Hall and the College Cottage include a furnished room, light, fuel, and the washing of twelve plain pieces. The occupants of the rooms furnish their own bedclothing, pillows, and towels. They pay their room and board bills one-half in advance and the other half at the middle of the semester. No deduction is made for absence in any part of the term, except in cases of protracted illness. The University does not undertake to provide dormitories for the young men, but they may obtain board and lodging in private families at reasonable rates. Clubs are also formed in which the cost of board is reduced to a minimum.

The following table exhibits the scale of annual expenditure:

	Low.	Average.	Liberal.
Tuition and incidental fees	$ 69	$ 69	$ 69
Board (36 weeks)	90	135	162
Room	32	72	100
Washing	18	25	35
Text-books and stationery	10	18	35
	$219	$319	$401

Payment of Bills.—The payment of fees is made at the University Business Office, 518 Davis street, Evanston. Students who are unable to pay in advance must call on the Business Agent and state the case to him, and the President and Treasurer will, as a committee, consider and decide on the application.

No tuition or incidental fees will be refunded except in case of sickness. In this event, if the student will procure from the President an excuse from attendance, and also from a physician a certificate of inability to remain in attendance, half of the amount paid will be refunded, if application is made before the middle of the semester.

LOAN FUNDS.

The University receives annually a considerable sum of money, to be loaned without interest to necessitous and deserving students who are preparing for the ministry, or for other forms of Christian work. Loans from this fund are available to students without distinction of sex.

A Woman's Loan Fund, contributed by interested friends and guarded with prudent restrictions, frequently enables the Woman's Educational Aid Association to be of special service to students in advanced classes, who, without timely aid, would be obliged to leave college before finishing a chosen course of study. The valuable assistance already rendered by the fund should commend it to friends of the University who may be able to increase it by donation or bequest. For further information on the subject, address Mrs. Joseph L. Morse, Chairman Loan Fund Committee, No. 615 Church street, Evanston.

SELF-SUPPORT OF STUDENTS.

Numerous inquiries are addressed to the authorities of the University by persons desirous of carrying on collegiate studies, but who are without adequate funds to enable them to defray their expenses, asking whether the institution furnishes to students means of employment which will enable them to support themselves wholly or in part while engaged in the prosecution of their studies. It is proper to say that the University does not undertake to furnish employment to any student, and it does not encourage students to matriculate who are entirely without resources. It happens each year that not a few students are able to aid themselves very materially by their labor while carrying on their studies, but the student is obliged to rely on his ability, industry, and character in all such cases. As the opportunities for employment are not offered by the University, they must be sought for by the students themselves.

For further information in regard to the College of Liberal Arts, address the President of the University, Evanston, Ill.

THE MEDICAL SCHOOL.

2421–2431 Dearborn Street, Chicago.

FACULTY.

Henry Wade Rogers, LL.D., President of the University.

Frank Seward Johnson, A.M., M.D., *Dean and Professor of Medicine and of Clinical Medicine.*

Nathan Smith Davis, A.M., M.D., LL.D., *Emeritus, Dean and Professor of Principles and Practice of Medicine and of Clinical Medicine.*

Edward O. F. Roler, A.M., M.D., *Professor Emeritus of Obstetrics.*

John Hamilcar Hollister, A.M., M.D., *Professor Emeritus of Clinical Medicine.*

Ralph Nelson Isham, A.M., M.D., *Professor Emeritus of Surgery and Clinical Surgery.*

Marcus Patten Hatfield, A.M., M.D., *Professor Emeritus of Pediatrics.*

Edmund Andrews, A.M., M.D., LL.D., *Professor of Clinical Surgery.*

John Harper Long, Sc.D., *Professor of Chemistry and Director of the Chemical Laboratories.*

Emilius Clark Dudley, A.M., M.D., *Professor of Gynecology.*

John Edwin Owens, M.D., *Professor of Surgery and Clinical Surgery.*

William Evans Casselberry, M.D., *Professor of Laryngology and Rhinology.*

Nathan Smith Davis, Jr., A.M., M.D., *Professor of Principles and Practice of Medicine and of Clinical Medicine, and Secretary of the Faculty.*

Edward Wyllys Andrews, A.M., M.D., *Professor of Surgery and Clinical Surgery.*

Frank Taylor Andrews, A.M., M.D., *Professor of Clinical Gynecology.*

George Washington Webster, M.D., *Professor of Physical Diagnosis.*

Joseph Zeisler, M.D., *Professor of Skin and Venereal Diseases.*

Elbert Wing, A.M., M.D., *Professor of Nervous Diseases.*

William Edward Morgan, M.D., *Professor of Surgical Anatomy and Operative Surgery, and Lecturer on Clinical Surgery.*

Horace Mann Starkey, M.D., *Professor of Clinical Ophthalmology and Otology.*

Henry Gradle, M.D., *Professor of Ophthalmology and Otology.*

Archibald Church, M.D., *Professor of Clinical Neurology and Mental Diseases and Medical Jurisprudence.*

John Ridlon, A.M., M.D., *Professor of Orthopedic Surgery.*

Winfield Scott Hall, A.M., M.D., Ph.D., *Professor of Physiology (N. S. Davis Professorship).*

Arthur Robin Edwards, A.M., M.D., *Professor of Principles and Practice of Medicine and of Clinical Medicine.*

Weller Van Hook, A.B., M.D., *Professor of Surgery and Clinical Surgery.*

Joseph Bolivar De Lee, M.D., *Professor of Obstetrics.*

Albert Edward Halstead, M.D., *Professor of Anatomy and Associate Professor of Surgery and Clinical Surgery.*

Gustav Futterer, M.D., *Professor of Pathology.*

Frank Burnett Dains, M.S., Ph.D., *Assistant Professor of Chemistry.*

Samuel Craig Plummer, Jr., A.M., M.D., *Associate Professor of Operative Surgery and Instructor in Clinical Surgery.*

Thomas James Watkins, M.D., *Assistant Professor of Gynecology.*

Hugh Talbot Patrick, M.D., *Associate Professor of Clinical Neurology.*

William Kilbourne Jaques, Ph.M., M.D., *Assistant Professor of Physiology.*

INSTRUCTORS.

Isaac Arthur Abt, M.D., *Instructor in Clinical Pediatrics.*

John Jeremiah Ahern, M.D., *Instructor in Clinical Laryngology and Rhinology.*

Joseph Barnes Bacon, M.D., *Instructor in Clinical Gynecology.*

Wesley Galileo Bailey, M.D., *Instructor in Clinical Laryngology and Rhinology.*

Walter Steele Barnes, M.D., *Instructor in Operative Surgery.*

Frederick Atwood Besley, M.D., *Instructor in Clinical Surgery.*

Frederick Waldo Belknap, B.S., M.D., *Instructor in Clinical Orthopedic Surgery.*

Andrew Jackson Brislen, M.D., *Assistant Demonstrator of Anatomy.*

Otto Budde, M.D., *Clinical Instructor in Laryngology and Rhinology.*

Coleman Graves Buford, M.D., *Instructor in Clinical Surgery.*

Peter Thomas Burns, M.D., *First Assistant Demonstrator of Anatomy.*

Franklin K. Burr, M.D., *Demonstrator of Anatomy.*

John Gailey Campbell, A.B., M.D., *Assistant Demonstrator of Anatomy.*

Edward P. Carlton, B.S., M.D., *Demonstrator of Histology.*

Clarence Willard Chapin, M.D., *Instructor in Clinical Pediatrics.*
Henry William Cheney, M.D., *Instructor in Operative Surgery.*
Paul Chester, B.S., M.D., *Instructor in Clinical Medicine.*
Edward Pumphrey Cook, Jr., Ph.B., M.D., *Instructor in Practical Medicine and in Clinical Medicine.*
Henry Frank Criger, M.D., *Instructor in Clinical Medicine.*
Edson Brady Fowler, A.B., M.D., *Instructor in Clinical Medicine.*
Victor S. Frankenstein, M.D., *Assistant Demonstrator of Anatomy.*
Louis Henry Friedrich, M.D., *Instructor in Clinical Dermatology and Syphilology.*
Robert Tracy Gilmore, M.D., *Instructor in Clinical Gynecology.*
Guy Aubrey Gowen, M.D., *Instructor in Clinical Neurology.*
Frederick R. Green, A.M., M.D., *Instructor in Clinical Surgery.*
Julius Grinker, M.D., *Instructor in Clinical Neurology.*
Harry Howard Hagey, M.D., *Demonstrator of Anatomy.*
Alfred Marvin Hall, A.M., M.D., *Instructor in Clinical Ophthalmology and Otology.*
Winfield Scott Harpole, M.D., *Instructor in General Pathology.*
Charles Hill, Ph.D., *Demonstrator in Histology and Embryology.*
Chester Henry Keogh, B.S., M.D., *Demonstrator of Anatomy.*
Frank Marion Kindig, M.D., *Instructor in Clinical Pediatrics.*
J. Emmet Leahy, M.D., *Demonstrator of Anatomy.*
Charles Daniel Lockwood, A.B., M.D., *Instructor in Clinical Surgery.*
Charles Hubart Lovewell, Jr., M.D., *Instructor in Clinical Medicine.*
William Alfred Mann, M.D., *Instructor in Clinical Ophthalmology and Otology.*
Thomas Charles McGonagle, M.D., *Instructor in Clinical Pediatrics.*
Frederick Menge, M.D., *Instructor in Histology and in Clinical Laryngology and Rhinology.*
Charles Henderson Miller, Ph.G., M.D., *Instructor in Pharmacology and in Clinical Surgery.*
Joseph Leggett Miller, B.S., M.D., *Instructor in Clinical Medicine.*
Charles Louis Mix, A.M., M.D., *Instructor in Anatomy.*
David Falkner Monash, A.M., M.D., *Instructor in Obstetrics.*
Paul Frederick Morf, M.D., *Assistant Demonstrator of Anatomy.*
Albert Earl Mowry, M.D., *Instructor in Clinical Medicine.*
Rupert Merrill Parker, B.S., M.D., *Instructor in Anatomy.*
Lucius Crocker Pardee, M.D., *Instructor in Clinical Dermatology and Syphilology.*
Edward Douglas Piper, M.D., *Demonstrator of Anatomy.*
Robert Bruce Preble, A.B., M.D., *Instructor in Practical Medicine and Clinical Medicine.*

Charles Bert Reed, M.D., *Instructor in Obstetrics.*
Harry Mortimer Richter, M.D., *Instructor in Clinical Surgery.*
Henry Edward Sauer, B.S., M.D., *Instructor in Clinical Gynecology.*
Louis Ernest Schmidt, M.S., M.D., *Instructor in Clinical Dermatology and Syphilology.*
William Edward Schroeder, M.D., *Instructor in Surgery and Clinical Surgery.*
William G. Stearns, M.D., *Instructor in Mental Diseases and Medical Jurisprudence.*
Francis Gurney Stubbs, A.M., M.D., *Instructor in Clinical Medicine.*
Frederick Cleveland Test, A.M., M.D., *Instructor in Clinical Orthopedic Surgery.*
John LeRoy Van Valkenburg, M.D., *Instructor in Clinical Gynecology.*
Samuel Johnson Walker, A.B., M.D., *Instructor in Clinical Neurology.*
Francis Xavier Walls, M.D., *Instructor in Clinical Pediatrics.*
Charles Frederick Weir, M.S., M.D., *Instructor in Anatomy.*
Robert Conover Wilson, B.S., M.D., *Instructor in Clinical Medicine.*
William Louis Wilson, M.S., M.D., *Demonstrator of Anatomy.*
Frederic Robert Zeit, M.D., *First Assistant in Pathology and Bacteriology.*
Hans Zeitler, M.D., *Demonstrator of Anatomy.*

This Medical School is entitled to the credit of having been the pioneer in the advancement of medical education in this country. It was the first school to take these three most important steps: viz., the enforcement of a standard of preliminary education; adoption of longer annual courses of medical college instruction; the graded curriculum, by which a definite number of branches are assigned to each year in such natural order that the mastery of one group makes the mastery of the next easier, and accomplishment of the whole more comprehensive and complete.

In the year 1859 the trustees of the Lind University of Chicago organized a medical school as a department of that University. Financial misfortunes befell Lind University, and it was deemed wise that the medical school should effect an entirely independent organization. Accordingly, in 1864, it was organized anew, under the name of the Chicago Medical College. It thus existed until 1869, when it was united with Northwestern University, retaining, how-

ever, its old name of Chicago Medical College until 1891, when that name was changed to Northwestern University Medical School.

In 1890 William Deering gave $20,000 towards the purchase of the land on which the schools of Medicine and Pharmacy are located. In 1894 the same generous benefactor of the University endowed the N. S. Davis Professorship of Physiology. In 1893 Dr. Ephraim Ingals gave the Medical School $10,000 to aid in the construction of the Laboratory Building.

BUILDINGS.

THE LABORATORY BUILDING is situated in Dearborn street, between Twenty-fourth and Twenty-fifth streets; has a frontage of 110 feet, and a depth of 105 feet; is five stories above the basement, and is constructed of cut stone and brick, with terra-cotta trimmings, and internal finishing of the best materials and workmanship.

On the *first* floor are the Amphitheater, Anatomical Museum, and Laboratory of Physiology and Biology. On the *second* floor are the Museums of Botany and Pharmacognosy, the Pharmaceutical and Dispensing Laboratories. On the *third* floor are large laboratories of Normal and Pathological Histology and Bacteriology, with three smaller rooms for original research. These rooms are equipped with desks, lockers for microscopes, and all necessary apparatus. A large lecture-room, room for chemical and physical apparatus, and private laboratory of the Professor of Chemistry are on the same floor. On the *fourth* floor, one-half of the entire space is occupied by a chemical laboratory for students' practical work, and the other half by the Laboratory of Physiological Chemistry, with smaller rooms for advanced or original work. On the *fifth* floor is a large dissecting-room, a room for demonstrating surgical operations, and three smaller rooms for special dissections.

The Museum of the College is furnished with preparations and specimens illustrative of normal, pathological, and comparative anatomy, and materia medica.

DAVIS HALL stands beside the Laboratory Building. It was erected in the summer of 1893.

On its first floor are offices and faculty rooms, a large amphitheater, an apothecary's room, an examination room for the director of the dispensary, and a suite of rooms for the use of the medical, surgical, orthopedic, and skin departments of the dispensary.

On the second floor there are a smaller amphitheater, and suites of rooms especially arranged and equipped for the departments of

Laryngology, Otology, Ophthalmology, Gynecology, Nervous and Children's Diseases.

On the third floor are the library, reading-room, lecture-room, and rooms for patients who have been operated on at the college.

ALUMNI LIBRARY.

The Alumni Library of about twenty-eight hundred volumes has been acquired by purchase, by donation from the late Dr. F. P. Peck, from the mother of the late Dr. G. W. Jones, and from students and members of the faculty. It is on the third floor of Davis Hall. The library is open from 10 to 3 daily, and is under the immediate care of Miss May T. Hillan, Librarian. The gross profits on the sale of all college text-books made at the library are devoted to its increase and care.

REQUIREMENTS FOR ADMISSION.

Applicants for admission must present diplomas or certificates from colleges, schools of science, accredited academies or high schools, or sustain an examination in the subjects that are required for admission to the College of Liberal Arts of this University. Those desiring full information in regard to these examinations are requested to correspond with the Secretary of the Medical Faculty. Examinations for admission will be held at the College of Liberal Arts in Evanston, June 11 and 12, 1900, and September 24 and 25; September 24–29, at the College of Medicine. By special arrangement examinations may also be held at St. Paul, Minnesota; Denver, Colorado; Omaha, Nebraska; St. Louis, Missouri; Cincinnati, Ohio; Detroit, Michigan; Portland, Oregon; and San Francisco, California. But in all such cases application must be made to the Secretary prior to June 1st.

Students conditioned in entrance requirements must make up these conditions before the beginning of the second year. If they do not, they cannot be admitted as regular students to the second-year course.

Exceptions. Special students not candidates for the degree of doctor of medicine will be admitted without the presentation of diplomas and without the examinations mentioned above.

PREPARATORY MEDICAL COURSE.

Many colleges and universities offer either definitely arranged courses preparatory to medicine, or a wide range of elective studies in Chemistry, Physics, and the Biological Sciences.

Students who contemplate studying medicine are strongly advised to pursue in one of these institutions a course which shall include the following branches:

Physics, - -	150 hours	Chemistry, - -	200 hours
General Biology,	100 hours	Botany, - -	100 hours
Zoölogy, - -	100 hours	German, - - -	150 hours

At least one-half of the time in each of these courses, except in German, should be devoted to laboratory work.

ADMISSION TO ADVANCED STANDING.

Students who have obtained in the College of Liberal Arts of this University ninety semester hours of credit can elect the remainder of their course in this Medical School. This will enable such students to obtain both the A.B. or B.S. and M.D. degrees in seven instead of eight years.

Students who have pursued in another institution the following First Year Medical Course, or any part of it, will be admitted to advanced standing in the subject covered by their official credentials. The professors of the several departments represented will pass upon the evidence presented by the student, and have the power to require an examination if the certificates are not satisfactory :

Anatomy, 150 Recitation Periods, including 50 Periods of Laboratory work.

Physiology, 128 Recitation Periods, including 30 Periods of Laboratory work.

Chemistry, 200 Recitation Periods, including 100 Periods of Laboratory work.

Histology, 100 Recitation Periods, including 60 Periods of Laboratory work.

Embryology, 32 Recitation Periods, including 16 Periods of Laboratory work.

Pharmacology, 32 Recitation Periods, including 16 Periods in Pharmacognosy.

Students from other medical schools who apply for advanced standing must pass examinations in all of the branches which they do not take in this school, and furnish to the secretary certificates of having done satisfactory work in some other reputable college for one, two, or three years, according as they wish to enter the second, third, or fourth year class in this school.

Candidates for advanced standing must present their certificates to the respective professors at the time of the October examinations or earlier.

Medical students who have a Bachelor's degree in Arts, Science, or Letters can obtain a Master's degree when they graduate in medicine by complying with the requirements stated on page 148, General Catalogue.

Students who take in the College of Liberal Arts of this University, Chemistry A and B, Zoölogy A, C, D, and E, will be given credit in the Medical School for Chemistry a, b and c; Physiology a, b, c, d; Histology and Embryology a, b, c, d, e.

Students who complete this work in the College of Liberal Arts during the first three years of their course there can then enter the Medical School and obtain the degrees of A.B or B.S. and M.D. in six years, or if they enter the Medical School at the end of their senior year, they can complete both courses in seven years.

METHODS OF INSTRUCTION.

Instruction is given by Recitations; Laboratory Exercises; Demonstrations; Illustrated Lectures, supplementing the standard text-books; Colloquia or Conferences, in which students and professor informally discuss announced topics; Clinics, (1) Hospital or College clinics which are attended by

twenty to sixty students, (2) Dispensary clinics where six to twelve students receive individual instruction and practice in all phases of physical examination, diagnosis, and treatment.

SPECIAL ELECTIVE WORK.

A few optional courses are offered to small classes of students, to whom special laboratory and clinical instruction will be given. In some of these courses a fee will be charged each student for material used by him.

THE COURSE OF STUDY.

Each student is expected to take at least twenty recitation periods per week throughout the course. Two hours in clinics or a laboratory, or one hour of recitation, lecture, colloquium, or demonstration, will be counted as one recitation period.

THE CURRICULUM.

First Year.

Required Courses.

Chemistry, I, *a*, *b*, *c*.
Anatomy, II, *a*, *b*, *c*.
Histology and Embryology, III, *a*, *b*, *c*, *d*.
Physiology, IV, *a*, *b*, *c*, *d*, *e*.
Pharmacology, VI, *a*.

Second Year.

Required Courses.

Chemistry, I, *d*, *e*, *f*.
Anatomy, II, *d*, *e*, *f*, *g*.
Histology, III, *e*.
Physiology, IV, *f*, *g*, *h*, *i*, *j*, *k*.
Hygiene, V, *a*, *b*, *c*.
Pharmacology, VI, *b*, *c*, *d*.
Pathology, VII, *a*, *b*, *c*, *d*, *e*.
Physical Diagnosis, VIII, *a*, *b*, *c*.
Surgery, XVII, *a*.
Medicine, XVIII, *a*, *b*.

Optional Courses.

Histology, III, *f*.
Chemistry, I, *g*.

THIRD YEAR.

Required Courses.

Pathology, VII, *f*, *g*.
Obstetrics, IX, *a*.
Dermatology, X, *a*, *b*, *c*.
Laryngology and Rhinology, XI, *a*, *b*, *c*.
Pediatrics, XVI, *a*, *b*.
Surgery, XVII, *b*, *c*, *d*, *e*, *f*, *g*, *h*, *i*, *j*.
Medicine, XVIII, *c*, *d*, *e*, *f*.

Optional Courses.

Eye and Ear, XII, *a*.
Pathology, VII, *h*, *i*, *j*, *k*.
Pharmacology, VI, *f*.
Physiology, IV, *l*, *m*.
Histology, III, *f*.
Chemistry, I, *g*.

FOURTH YEAR.

Required Courses.

Obstetrics, IX, *b*, *c*, *d*.
Eye and Ear, XII, *c*, *d*, *f*.
Gynecology, XIII, *a*, *b*, *c*. *d*, *e*.
Neurology, XIV, *a*, *b*, *c*, *d*, *e*.
Mental Diseases and Jurisprudence, XV, *a*, *b*.
Surgery, XVII, *k*, *l*, *m*, *n*.
Medicine, XVIII, *g*, *h*, *i*, *j*.

Elective and Optional Courses.

Medicine, XVIII, *k*, *l*.
Surgery, XVII, *o*, *p*, *q*, *r*.
Gynecology, XIII, *a*, *c*, *d*.
Eye and Ear, XII, *a*, *b*, *e*.
Physical Diagnosis, XIII, *d*.
Pathology, VII, *h*, *i*, *j*, *k*.
Pharmacology VI, *f*.
Physiology, IV, *l*, *m*.
Histology, III, *f*.

DEPARTMENTS.

The work in each department is arranged in chronological order, and in every case begins with the fundamental or general, and passes to the more advanced or special. The student is supposed to take the courses in the order enumerated, though some deviation from this rule may be allowed in certain cases approved by the faculty.

I. DEPARTMENT OF CHEMISTRY.

The Chemical Laboratories are commodious, well lighted, well ventilated, and thoroughly modern in arrangement and equipment. Besides a large laboratory for General Chemistry and Toxicology, there is a laboratory of Physiological Chemistry, with accommodations for seventy-two men; there are several smaller laboratories for demonstrations and for special work.

FIRST YEAR.

(a) General and Inorganic Chemistry. Lectures and Demonstrations. 3 per week. 1½ Semesters. Professor LONG.

(b) Organic Chemistry. Lectures and Demonstrations. 3 per week. ⅔ Semester.
Professor LONG.

(c) Chemistry Laboratory work. 3 Periods per week, 1st Yr.
Professors LONG and DAINS.
In the laboratory work of the first year the texts followed are Long's Elementary General Chemistry and Long's Analytical Chemistry, and the student is supplied with all apparatus and materials necessary for properly performing over 200 experiments before undertaking the systematic work of Qualitative Analysis.

SECOND YEAR.

(d) Physiological Chemistry. Lectures and Demonstrations. 1 per week.
Professor LONG.
In the first half of the second year the class meets once a week for a lecture or recitation in chemical physiology; the instruction given being largely in explanation of the principles involved in the laboratory work carried on at the same time. Attention is given also to a discussion of organic compounds of physiological importance not fully considered in the course of the first year. Through the second half of the first year the class is occupied mainly with a discussion of the principles of urine analysis. This course is parallel to the practical one in the laboratory.

(e) Physiological Chemistry, Laboratory, 2 Periods per week.
Professor LONG.
In the second-year laboratory work the students use Long's Manual of Elementary Chemical Physiology and Urine Analysis as a text, and have supplied to them everything required in completing thoroughly all the exercises described in this book.
In order to demonstrate the construction and application of certain kinds of apparatus more perfectly than is possible in a large lecture-room, the second-year class is divided into small sections, which meet at proper times for work with the spectroscope, spectrometer, hæmometer, and polariscope. The demonstrations with the polariscope and spectrometer are carried out in the dark-room. The college is supplied with the most perfect apparatus made for use in this work.

(f) Electricity. Lectures and Demonstrations. 1 per week. ½ Semester.
Professor LONG.
Special Courses and Demonstrations. During the last part of the second year eight or ten lectures, with demonstrations, are given on the subject of practical electricity. This work is intended to make the student familiar with the construction and use of batteries, the measurement of currents and resistances, and the important physical, chemical, and physiological effects of the current.

(g) Chemical Physiology (elective). 2 Laboratory Periods per week. 1 Semester.
Professor LONG.
In addition to the above the student is offered facilities for advanced or original investigation in several lines of Chemical Physiology. Arrangements for such elective work are made by application to the executive committee and the professor in charge.

II. DEPARTMENT OF ANATOMY.

The Department of Anatomy is provided with an Osteological Museum and Laboratory, with a good collection of material and models in the General Museum, and with large, well-lighted dissecting-rooms, fitted with approved appliances. The anatomical material is preserved in a refrigerator. The following courses are given:

FIRST YEAR.

(a) Human Osteology. Recitations and Laboratory. 3 per week. ¾ Semester.
Professor HALSTEAD and Doctors WEIR, PARKER, MORF, GREEN, BRISLEN, BURNS and FRANKENSTEIN.

(b) Human Dissections. 4 Laboratory Periods per week. One Semester.
Professor HALSTEAD, Drs. BURNS, PARKER and assistants.
This course comprises the dissection of an arm and a leg, and the student is required to demonstrate to the instructor every point on each part.

(c) Lectures, demonstrations, and recitations on orthology, myology, and angiology which follow the dissections,

and review what is done in the dissecting room. 2 per week, 1¼ Semesters.
Professor HALSTEAD and assistants.

(d) Recitations and demonstrations in Gross Neurology and the Anatomy of the Special Sense Organs. 2 per week. ¾ Semester.
Dr. MIX.

SECOND YEAR.

(III. e) Microscopical Anatomy of the Spinal Cord and Brain. 2 Laboratory Periods per week. ½ Semester.
Assistant Professor HILL.

(f) Human Dissections. 4 Laboratory Periods per week. One Semester.
Professor HALSTEAD, Drs. BURNS, PARKER and assistants.
Second-year students dissect the head and neck, and viscera. Each student must dissect and demonstrate every point on each part.

(g) Splanchnology, Topographical and Applied Anatomy. Lecture. 1 per week.
Professor HALSTEAD.

III. DEPARTMENT OF HISTOLOGY AND EMBRYOLOGY.

The Laboratory is commodious and well lighted. Each student has the use of a microscope and of all general apparatus. Each student has ample practice in all phases of Histological and Embryological technique: Injection, Hardening, Staining, Cutting, Mounting, etc. Free-hand drawing of all typical tissues mounted is required of each student.

FIRST YEAR.

(a) Embryology. Lectures and Demonstrations. 1 per week. ½ Semester.
Dr. MENGE.

(b) General and Special Histology and Embryology. Recitations. 1 per week.
Dr. MENGE.

(c) Histology, General and Special. Laboratory. 2 Periods per week of 3 hours. 1¼ Semesters.
Assistant Professor HILL.

(d) Embryology. Laboratory work. 2 periods per week of 3 hours each. ⅓ Semester.
Assistant Professor HILL.

SECOND YEAR.

(e) Microscopical Anatomy of the Spinal Cord and Brain. 2 Laboratory Periods per week. ½ Semester.
Assistant Professor HILL and Dr. MIX.

SECOND, THIRD, AND FOURTH YEARS.

(f) Special Problems in Histology and Embryology (elective).
Assistant Professor HILL.

IV. DEPARTMENT OF PHYSIOLOGY.

This department has recently been fully equipped. There is a general laboratory forty feet by seventy feet, two special laboratories, an instrument-room, and a library. The library covers Physiology and related subjects, and is accessible to students of the department. The total equipment of the department has cost several thousand dollars. Each student either performs for himself, or assists in performing each experiment.

FIRST YEAR.

(a) General Physiology, Cellular Biology and the Physiology of Muscle and Nerve-tissue, and of the Muscular System. Lectures, Demonstrations and Laboratory work. 3 per week. ¾ Semester.
Professor HALL.

(b) Special Physiology. The Physiology of Circulation and of Respiration. Recitations. 2 per week. Demonstrations and Laboratory work. 3 per week. ¾ Semester.
Professor HALL.

(c) The Physiology of Reproduction. Lectures and Demonstrations. 2 per week. ¼ Semester.
Professor HALL.

(d) The Physiology of the Blood. Hæmatology. Recitations. 2 per week. Laboratory. 2 per week. ¼ Semester.
Professor JAQUES.

(e) Nutrition, Chemical Phases, including the Chemistry of the Animal Body, the Chemistry of Foods and Food Stuffs. Recitations. 1 per week. ½ Semester.
Professor HALL.

SECOND YEAR.

(f) Nutrition. The Chemistry of Digestion, Demonstrations. 2 per week. ¼ Semester.
Professor HALL.

(g) Nutrition. Metabolism, Animal Heat and Excretion. Recitations. 2 per week. ½ Semester.
Professor HALL.

(h) Physiology of the Central Nervous System. Lectures, Demonstrations and Recitations. 3 per week. ¼ Semester.
Dr. MIX.

(i) Physiology of the Special Senses. Recitations, Demonstrations and Laboratory. 3 per week. ¼ Semester.
Professor HALL and assistants.

(j) Normal Ophthalmoscopy and Skiascopy. Laboratory Work. Each Student 3 Periods.
Dr. A. M. HALL.

(k) Pharmacology. The Physiological Action of Drugs. Laboratory Work. 2 Periods per week. ½ Semester.
Dr. MILLER.

THIRD AND FOURTH YEARS.

(l) Medical Anthropometry (elective).
Professor HALL and assistants.

(m) Special Problems (elective).
Professor HALL and assistants.

V. DEPARTMENT OF GENERAL ETIOLOGY AND HYGIENE.

SECOND YEAR.

(a) Classification and Discussion of the Causes of Disease. Antogenesis and Infection.

(b) Bacteria and Their Relations to Disease. General Pathology of Infection. Principles upon which Immunity and Serum Therapeutics depend.

(c) Hygiene. General: Climate, Soil and Drainage, Dwellings. Personal: Dietetics and Clothing, Exercise and Bathing, Habits, Heredity, Industrial and Social Influences. Lectures 2 per week. 1 Semester.

A syllabus of the course is available, and references to the literature are given which enable the student to further pursue the subject in the reading-room and library.

VI. DEPARTMENT OF PHARMACOLOGY.

The work in this department is required in the first and second years. Special courses may be elected in the third and fourth years.

FIRST YEAR.

(a) Pharmacology. Recitations and Demonstrations. 3 per week. ½ Semester.
Dr. MILLER.

SECOND YEAR.

(b) Pharmacology. 2 hours per week. ½ Semester.
This course is given in the Physiological Laboratory.
Dr. MILLER.

(c) Pharmacology. Recitations. 2 per week. 1 Semester.
Dr. MILLER.

(d) Pharmacy, Assistant in Drug Department of South Side Free Dispensary. 48 hours' work under the supervision of
Mr. HOPKINS.

THIRD AND FOURTH YEARS.

(f) Electro-Diagnosis and Electro-Therapeutics (elective). Laboratory and Clinical Work. 1 hour per week. ½ Semester.
Professor PATRICK.

The Electrical Laboratory, equipped by Mrs. P. S. Hayes, is fitted with all the appliances for Galvanism, Faradism, the Direct Static Current, Static Induced and Sinusoidal Currents, and the more serviceable adaptations for therapeutic purposes of the 110-volt current.

VII. DEPARTMENT OF PATHOLOGY AND BACTERIOLOGY.

The newly-equipped laboratories give excellent facilities for instruction in Pathological Histology and Bacteriology. Students take the laboratory work in sections, and receive individual aid in the art of staining, mounting, and examining a large variety of pathological tissues and bacteria.

Special attention is given to the drawing of histological preparations. A great number of pathological tissues, gross

and microscopical, are submitted to the students for their careful description and diagnosis.

Advanced students are given individual instruction in clinical pathology, ample time and opportunity being given them to prepare, section, stain, and examine the abundant pathological material obtained from the clinics. Leitz microscopes, a microtome, and a liberal supply of imported apparatus make the outfit complete.

All students are required to make culture media, to isolate several varieties of bacteria from a mixed culture; in other words, to acquire the elements of bacteriological technique. A large collection of pathogenic and non-pathogenic varieties of bacteria are kept on hand. The laboratory is open for advanced work to a limited number of students and physicians.

SECOND YEAR.

(a) Principles of General Pathology. Recitations. 2 hours per week. 1½ Semesters.
Dr. HARPOLE.

(b) Pathological Histology. Laboratory Work. 3 hours daily for 5½ weeks.
Professor FUTTERER and assistants.

(c) Surgical Pathology. Laboratory Work. 3 hours daily. 2½ weeks.
Professor FUTTERER and assistants.

(d) Bacteriology. Laboratory Work. 6 Periods per week. ½ Semester.
Professor FUTTERER and Dr. ZEIT.

THIRD YEAR.

(f) Special Pathology. Lectures and Demonstrations.
Professor FUTTERER.

(g) Post-mortem Examinations. The autopsies of Mercy Hospital, St. Luke's Hospital, and Cook County Hospital are open to all students of the third and fourth years.

(h) Clinical Pathology.
Dr. ZEIT.

THIRD AND FOURTH YEARS.

(i) Pathological Histology (Clinical Problems, material from Surgical and Medical Clinics). Elective.
Professor FUTTERER.

(j) Clinical Pathology: Surgical and Medical, Microscopic and Chemical (elective). Mercy Hospital Laboratory. 16 Laboratory Periods.
Professor FUTTERER and assistants.

The Mercy Hospital laboratory is situated in a commodious room with light on three sides and immediately adjoining the clinical amphitheater. The room is fully supplied with working tables and all needful chemicals and apparatus for the examination of urine, stomach-contents, and other excretions and secretions of the human body; and with microscopes, microtomes, hæmometers, hæmocytometers, centrifuges, etc., for the examination of tissues removed at operations and autopsies, the examination of the blood and urinary sediment, etc.; also with a full equipment of sterilizers, incubators, microscopes, and other necessary apparatus for the study of bacteria. A dark-room adjoins the laboratory, for developing photographic negatives. The cameras necessary for taking pictures are also at hand.

(k) Surgical Pathology (elective). 16 Laboratory Periods.
Dr. SCHROEDER.

(l) Special Advanced Work in Bacteriology (elective).
Professor FUTTERER.

VIII. DEPARTMENT OF PHYSICAL DIAGNOSIS.

The work of this department comprises didactic lectures, Practice in Physical Examinations of the Normal Body, Physical Diagnosis Clinics, and Special Elective Work in which students read and discuss theses on assigned cases which have been under observation for at least four weeks.

SECOND YEAR.

(a) Theory and Practice of Physical Diagnosis. Lectures. 2 per week.
Professor WEBSTER.

(b) Physical Examination of Normal Body. Laboratory Work. 1 Period per week. ½ Semester.
Professor WEBSTER.

(c) Physical Diagnosis Clinic.
Professor WEBSTER.

In course c cases chosen from the large Dispensary Clinics are brought before the class, and are presented with especial reference to diagnosis. Each student is expected to keep a record of cases presented, to group and co-ordinate all cases of the same class, and to present, at the end of the year, the notes, with a thesis on some one group of cases.

FOURTH YEAR.

(d) Differential Diagnosis (elective), Clinical, Library, and Seminar Work. 16 Periods.
Professor WEBSTER.

IX. DEPARTMENT OF OBSTETRICS.

The clinical material of Mercy Hospital and of the College is used by the students, and is abundant. The Chicago Lying-in Hospital Dispensary offers services of two to four weeks to senior students, and in vacation, to junior students. The material here is very abundant, and pathological cases are frequent. The labors are conducted in the houses of the patients under the direction of the assistant physician. Professor De Lee has charge of the Dispensary, and will deliver special lectures there on Practical Obstetrics during the summer months. Each student has here an opportunity of attending from six to twelve deliveries.

THIRD YEAR.

(a) The Physiology of Pregnancy, Labor, and the Puerparium. 2 Recitations per week.
Doctors REED and MONASH.

FOURTH YEAR.

(b) The Pathology of Pregnancy, Labor, and the Puerparium. 1 Lecture per week.
Professor DE LEE.

(c) Demonstrations on the manikin and cadaver. 16 Exercises.
Professor DE LEE and Dr. STOWE.

The principal obstetrical operations are performed by senior students in groups of five on the manikin with actual fœtuses, under the supervision of the Demonstrator.

(d) Students of both the third and fourth year classes attend labors conducted by Professor De Lee in the college amphitheater. Attendance on at least four labors is necessary for graduation.

X. DEPARTMENT OF DERMATOLOGY AND SYPHILOLOGY.

The clinical material is very abundant in the more common skin diseases, such as eczema, psoriasis, and various forms of acne and diseases due to animal and vegetable parasites, and in the herpetic, pemphigoid, and various other eruptions. The subject of syphilis is exhaustively treated as far as the general pathology and treatment are concerned. The syphilides and affections of the mucous membranes are covered in detail, while affections of the internal organs and the nervous system are left to other departments. The clinical material is carefully selected for the clinical lectures, and is intended to illustrate them. The feature of these demonstrations is the training of the student in the diagnosis under the supervision of the Professor.

THIRD YEAR.

(a) Dermatology, Syphilology, and Gonorrhea. Lectures and Demonstrations. 2 Periods per week. 1 Semester. Professor Zeisler.

(b) Clinical Lectures on Skin Diseases. 1 per week. Professor Zeisler.

(c) Dispensary Clinic. 6 Periods per week for 5 weeks. Doctors Pardee, Schmidt, and Friedrich.

XI. DEPARTMENT OF LARYNGOLOGY AND RHINOLOGY.

This department is furnished with specially constructed individual stalls and electric lights for the training of divided classes of students in the technique of examination and treatment of the nose and throat, following the method of arrangement in vogue at Vienna. A dark-room, for translumination tests, and a dressing-room are attached, and the suite connects with a clinical amphitheater.

THIRD YEAR.

(a) Laryngology and Rhinology. Lecture 1 hour per week. 1 Semester.
Professor CASSELBERRY.

(b) Clinical Lecture. 1 hour per week.
Professor CASSELBERRY.
This clinic is largely of a surgical nature, is rich in material, and exemplifies in the course of the year all the principal operations and minor operative methods of treatment for this class of diseases.

(c) Dispensary Clinics, individual instruction in technique. 6 Periods per week for 5 weeks.
Professor CASSELBERRY, assisted by Drs. MENGE, BUDDE, AHERN and BAILEY.

XII. DEPARTMENT OF OPHTHALMOLOGY AND OTOLOGY.

Preparation for the special work of this department is provided by the courses which the second-year students receive in the gross and minute Anatomy and Physiology of the Eye and Ear.

(a) Ophthalmoscopy, Otoscopy, and Refractive Work (elective in either third or fourth year). 1 Laboratory Period each week. ½ Semester.
Dr. A. M. HALL.

(b) Clinical Lectures and Demonstrations. (Optional.) St. Luke's Hospital. 1 Period per week.
Drs. JONES, FISK, and GARDINER.

FOURTH YEAR.

(c) Ophthalmology and Otology. The Pathology, Therapy, Surgery, and Hygiene of the Eye and Ear. 1 Lecture per week.
Professor GRADLE.

(d) Clinical Lecture at College. 1 each week.
Professor GRADLE.

(e) Clinical Lecture at Mercy Hospital. (Optional.) 1 each week.
Professor STARKEY.

(f) Dispensary Clinics, in which small classes of students receive individual instruction in examination, diagnosis, and treatment of cases. 6 Periods per week for 5 weeks.
Drs. MANN and HALL.

XIII. DEPARTMENT OF GYNECOLOGY.

The teaching in this department is done by didactic lectures and clinics in Mercy Hospital, St. Luke's Hospital, the College, and to divided classes in the dispensary.

FOURTH YEAR.

(a) Clinical Lectures at St. Luke's Hospital (required first Semester, elective second.) 1 each week.*
Professors DUDLEY and WATKINS, and Dr. FRANKENSTEIN.

(b) General Gynecology. Lectures 3 per week. 1 Semester.
Professor DUDLEY.

(c) Clinical Lecture at College (elective). 1 each week.*
Professor WATKINS.

(d) Clinics at Mercy Hospital (elective). 1 each week throughout the year.*
Professor F. T. ANDREWS.

(e) Dispensary Clinics. Daily 5 weeks.
Professor WATKINS, and Drs. BACON, SAUER, GILLMORE and VANVALKENBURG.

XIV. DEPARTMENT OF NEUROLOGY.

Teaching in this department is done by lectures, recitations, and clinics in the College and dispensary, and by occasional clinics in the hospitals.

FOURTH YEAR.

(a) Diseases of the Nervous System. 2 Lectures each week. 1 Semester.
Professor WING.

(b) Clinical Lecture.
Professor WING, assisted by Dr. CAMPBELL.
The teaching in these hours consists in drilling individual students in the presence of the class in the methods of examination, diagnosis, and treatment of nervous diseases, and in a general quiz. The subject of the quiz is announced previously, and in the course of the year the quiz covers the more important nervous diseases.

*In the second semester at least one of these three clinics must be elected. They are all optional throughout the year.

(c) Clinical Lecture.
Professor CHURCH.

(d) Clinical Lecture.
Professor PATRICK.

(e) Dispensary Clinics. 5 periods per week. 5 weeks.
Drs. CAMPBELL, WALKER, GOWEN, MIX and GRINKER.

XV. DEPARTMENT OF MENTAL DISEASES AND MEDICAL JURISPRUDENCE.

(a) The topics related to Mental Diseases are presented always in their practical and clinical aspects. By the revision of a large number of case histories, mental diseases are made as vivid as possible. At the same time their medical and medico-legal relations are emphasized. 2 Lectures per week. ½ Semester.
Professor CHURCH and Dr. STEARNS.

(b) The lectures pertaining to Medical Jurisprudence are intended to give the prospective medical practitioner a clear realization of his relations and duties toward the public and of his special privileges, as well as of the claims the public and the courts have upon him. The emergencies that are likely to fall under his observation requiring a degree of familiarity with the usages of law, and his proper attitude as a medical witness are dwelt upon at some length. 2 Lectures per week. ½ Semester.
Professor CHURCH and Dr. STEARNS.

XVI. DEPARTMENT OF PEDIATRICS.

It is the desire of all those connected with this department to make its instruction chiefly clinical and personal.

THIRD YEAR.

(a) Clinical Lecture. 1 Period per week.
Dr. WALLS.

(b) Dispensary Children's Clinic. 6 Periods per week. 5 weeks.
Drs. WALLS, ABT, KINDIG, MCGONAGLE, and CHAPIN.

The most interesting of the patients attending the dispensary clinics are reserved for the weekly college clinic, open to all students.

XVII. DEPARTMENT OF SURGERY.

Teaching in this department is done by lectures, recitations, laboratory work, and clinics. The laboratory for operative surgery is a large room especially adapted for this work and adjoins the dissecting-room.

SECOND YEAR.

(a) Recitations on Surgery. 3 per week. March, April, May.
Dr. SCHROEDER.

THIRD YEAR.

(b) Dispensary Clinics. Individual instruction in divided classes. 6 per week for 5 weeks.
Professor PLUMMER, and Drs. SCHROEDER, RICHTER, BUFORD, LOCKWOOD, GREEN, BESLEY, MILLER, and MORF.

(c) Operative Surgery. Lectures and Demonstrations. 1 per week, for 1 Semester.
Professor PLUMMER.

(d) Demonstration in Operative Surgery. 1 per week. 1 Semester.
Professor PLUMMER.

(e) Lectures and Recitations on Surgery. 2 per week.
Professor ANDREWS.

(f) Clinical Lecture. 1 per week.
Professor HALSTEAD, assisted by Drs. GREEN and MORF.

(g) Clinical Lecture at St. Luke's Hospital. 1 per week.
Professor OWENS, and Drs. ALLPORT, BEVAN, and McARTHUR.

(h) Clinical Lecture. Orthopedics at College. 1 per week.
Professor RIDLON.

(i) Dispensary Orthopedic Clinics before small classes. 3 per week for 5 weeks.
Drs. TEST and BELKNAP.

(j) Bandaging and dressing. 1 hour for 1 Semester.
Professor PLUMMER.

FOURTH YEAR.

(k) Lectures on General Surgery. 2 hours per week.
Professors VAN HOOK and ANDREWS.

(l) Clinical Lecture at the College. 1 Period of 3 hours per week.
Professor Morgan, assisted by Professor Plummer, First Semester.
Professor Andrews, assisted by Dr. Schroeder, Second Semester.

(m) Clinical Lecture at the College. 1 per week.
Professor Van Hook, assisted by Drs. Richter and Lockwood.

(n) Clinical Lectures at Mercy Hospital.
Once weekly by Professor Morgan.
Once weekly by Professor E. W. Andrews.
Once weekly by Professor E. Andrews.

(o) Clinic, Provident Hospital. Once weekly. Section of class.
Drs. Schroeder, Swartz, Williams, and Wesley.

(p) Experimental Abdominal Surgery (elective). 1 hour per week. ½ Semester.
Professor Plummer.

(VII. g) Special Surgical Pathology (elective).
Dr. Schroeder.

(q) Experimental, Cranial, Cervical, and Thoracic Surgery (optional).
Professor Halstead.

(r) Weekly ward visits.
Professors Andrews and Morgan.

XVIII. DEPARTMENT OF MEDICINE.

SECOND YEAR.

(a) Dispensary Clinic to small classes of not more than twelve students. 3 per week. ½ Semester.
Professor Jaques, Drs. Preble, Miller, Stubbs, Fowler, Kindig, Cook, Harpole, Chester, Rawlings, Lovewell, Mowry, Wilson, and Criger.

(VIII. c) Physical Diagnosis Clinic College. 1 per week.
Professor Webster.

(b) Recitations from text-book. 2 hours per week. ¾ Semester.
Drs. Preble and Cook.

THIRD YEAR.

(c) Recitations from text-book. 2 hours per week. 1 Semester.
Drs. PREBLE and COOK.

(d) Clinical Lectures at the College. 1 per week.
Dr. PREBLE.

(e) Clinical Lecture at St. Luke's Hospital. 1 per week.
Professors EDWARDS, FAVILL, and Dr. WALLS.

(f) Lectures. 2 hours per week.
Professors DAVIS and EDWARDS.

FOURTH YEAR.

(g) Lectures for 1899–1900. Diseases of the Lungs, Heart, Aorta and Kidneys. 2 hours per week. 1 Semester.
Professor DAVIS.

(h) Lectures for 1899–1900. Infectious Diseases, Chronic General Diseases. 2 hours per week. 1 Semester.
Professor EDWARDS.

(i) Clinical Lectures at Mercy Hospital.
Once weekly 1st Semester; twice weekly 2d Semester.
Professor DAVIS.
Once weekly.
Professor JOHNSON.
Once weekly, 1st Semester.
Professor WEBSTER.

(j) Clinical Lecture at College. 1 per week.
Professor EDWARDS.

(k) A weekly elective ward visit is made by sections of the class to the wards of Mercy and St. Luke's hospitals. Under guidance of Professors DAVIS, EDWARDS, JOHNSON, and WEBSTER.

(l) Clinic, Provident Hospital. Once weekly. Section of class.
Drs. BURR and LEEMING.

SUMMER COURSES.

These courses are especially planned for students and practitioners who wish to obtain fuller laboratory courses than they have already had or who wish to take special clinical courses. They are also adapted to the needs of students who

are irregular in their college work and who desire by extra labor to fit themselves for their regular class.

The dispensary clinics and laboratory courses are limited to small numbers of students. It is, therefore, necessary for each individual to register, with the college clerk, before June 1st, 1900, for such courses as he desires to take. The work begins June 4th and ends August 4th.

Students who are members of this school will be given credit for any laboratory courses or dispensary clinical courses which they may take. The clinics are well supplied with patients during the summer session.

LABORATORY COURSES.

(a) Histology. Daily, 8 weeks, 1 to 3.
Asssistant Professor Hill.

(b) Physiology, 1 Hæmatology. Daily.
2 Circulatory, Respiratory and Digestive Systems. Daily, 4 weeks, 1 to 3.
Professor HALL and Assistants.

(c) Pathological Histology. Daily, 8 weeks, 8 to 10.
Dr. ZEIT.

(d) Bacteriology. Daily, 8 weeks, 8 to 10.
Dr. ZEIT.

(e) Clinical Pathology. Daily, 2 courses 4 weeks each, 2 to 4.
Dr. ZEIT.

(f) Anatomy Dissections. Daily, 8 weeks, 1 to 3.
Professor HALSTEAD and assistants.

(g) Operative Surgery. Daily, 2 weeks, 1 to 3.

(h) Operative Obstetrics. Daily, 4 weeks, 1 to 3.
Dr. REED.

(i) Chemical Urinalysis or Special Problems.
Professor LONG.

CLINICAL COURSES.

MEDICINE.

(a) Dispensary Clinic. Daily, 2 courses 4 weeks each, 10 to 12.
Drs. PREBLE, COOK, CHESTER, etc.

(b) Clinical Lecture. College, 1 week, Thursday, 11 to 12.
Dr. PREBLE.

(c) Clinical Lecture. College, 1 week, Wednesday, 11 to 12.
Dr. Cook.

(d) Mercy Hospital Clinic. 1 week, Friday, 8 to 9.
Professor Davis, Johnson, or Webster.

SURGERY.

(a) Dispensary Clinic. Daily, 2 courses 4 weeks each, 3 to 4.
Drs. Schroeder, Richter, Buford, and others.

(b) Clinical Lecture. College, one week, Saturday, 9 to 12.
Professor VanHook, assisted by Drs. Richter and Lockwood.

(c) Clinical Lecture. College, one per week, Thursday, 2 to 4.
Professor E. W. Andrews, assisted by Dr. Schroeder.

(d) Clinical Lecture. College, 1 per week, Tuesday, 2 to 4.
Professor Halstead, assisted by Drs. Green and Morf.

(e) Mercy Hospital Clinic. 1 per week, Monday, 10:30 to 12.
Professor E. W. Andrews.

(f) Mercy Hospital Clinic. 1 per week, Friday, 10:30 to 12.
Professor Morgan.

(g) Clinical Lecture. Orthopedics. College, 1 per week, Monday, 11 to 12.
Professor Ridlon.

(h) Dispensary Clinic. Orthopedics. 3 per week, Monday, Wednesday, and Friday, 10 to 12.

GYNECOLOGY.

(a) Dispensary Clinics. Daily, 2 to 4.
Professor Watkins, and Drs. Bacon, Sauer and Gilmore.

(b) Mercy Hospital. 1 per week, Thursday, 10:30 to 12:30.
Professor F. T. Andrews.

OPHTHALMOLOGY AND OTOLOGY.

(a) Dispensary Clinics. Daily, 2 to 4.
Drs. Mann and Hall.

(b) Mercy Hospital. 1 per week, Wednesday, 9 to 10.
Professor Starkey.

(c) Clinical Lecture. College, 1 per week, Friday, 3 to 4.
Professor Gradle.

LARYNGOLOGY AND RHINOLOGY.

(a) Dispensary Clinic. Daily, 10 to 12.
Drs. Menge, Budde, Solenberger and Ahern.

(b) Clinical Lecture. College, 1 per week, Tuesday 10 to 12.
Dr. MENGE.

DERMATOLOGY AND SYPHILOLOGY.

(a) Dispensary Clinics. Daily, 2 to 4.
Drs. PARDEE and SCHMIDT.
(b) Clinical Lecture. College, 1 per week, Friday, 4 to 5.
Professor ZEISLER.

PEDIATRICS.

(a) Dispensary Clinics. Daily, 10 to 12.
Drs. WALLS, ABT, KINDIG, and MCGONAGLE.
(b) Clinical Lecture. College, 1 per week, Tuesday, 11 to 12.
Dr. WALLS.

NEUROLOGY.

(a) Clinical Lecture. College, 1 per week, 3 to 4.
Either Professor WING (Wednesday), CHURCH (Monday), or PATRICK (Tuesday).
(b) Dispensary Clinics. Daily, 2 to 4.
Drs. CAMPBELL, WALKER and MIX.

OBSTETRICS.

(a) Clinic. Chicago Lying-in Dispensary.
Professor DELEE.

LECTURE COURSES.

(a) Pediatrics. 1 per week, 4 to 5.
Dr. ABT.
(b) Minor Genito-Urinary Disorders. 2 per week, 4 to 5.
Dr. SCHMIDT.
(c) Dermatology. 1 per week, 4 to 5.
Dr. PARDEE.

For other information address H. P. Hendricks, 2431 Dearborn St.

HOSPITALS.

Mercy Hospital.—This hospital is at the corner of Calumet Avenue and Twenty-sixth Street, and is under the exclusive care of the Faculty. It is conducted by the Sisters of Mercy, and receives a large number of patients annually, both from the city and the country. It has recently been rebuilt and enlarged so that its capacity is increased to about four hundred beds.

Daily clinics are held in the hospital amphitheater, or at the bedside in the wards, according to the nature of the individual case.

The members of the Clinical Class are allowed to examine the

cases for themselves, and thus acquire a personal familiarity with the clinical aspect of a large variety of diseases.

In classes of two or three, students of the senior year are allowed to watch the progress of obstetrical cases under the direction of the House Physician.

Each member of the graduating class may serve as Surgical Dresser in Mercy Hospital, and receive a certificate for efficient and faithful services.

A laboratory has been equipped for Clinical Bacteriology and microscopical work, which will be utilized for teaching purposes as well as for clinical examinations. The fee for the annual Mercy Hospital ticket is six dollars.

St. Luke's Hospital.—This hospital is situated in Indiana Avenue, near Fourteenth Street. Owing to its central situation, it receives a large number of accident cases, and its surgical clinic is, consequently, an extensive one. Clinics are given regularly in Medicine, Nervous Diseases, Surgery, Gynecology, and Diseases of the Eye and Ear. The autopsies held by the Pathologists in the amphitheater of the hospital morgue constitute an important part of the clinical instruction. The annual ticket is five dollars.

Wesley Hospital.—In 1890 Northwestern University purchased, at the corner of Twenty-fourth and Dearborn streets, four hundred and fifty feet frontage for the Medical and Pharmaceutical Schools, and a site for a hospital. One-half of this land has been transferred to Wesley Hospital. This hospital affords the students of the school clinical facilities. The building adjoins Davis Hall.

A new hospital building of two hundred beds is now in process of erection.

Provident Hospital.—This hospital is situated at the corner of Dearborn and Thirty-sixth Streets. An addition to this hospital will be made this summer. Students will receive clinical instruction in medicine and surgery in small classes.

Cook County Hospital.—The hospital is situated at the corner of Wood and Harrison Streets. The daily average number of patients is between five and six hundred. Students are not admitted to the wards, but clinics are given in the amphitheater constructed for this purpose. There is an amphitheater in the hospital morgue, and post-mortem examinations are made in the presence of the Clinical Class, giving students an opportunity to learn the gross appearances of pathological lesions. The annual ticket is five dollars.

The South Side Dispensary.—The Dispensary is in Davis Hall, which was constructed especially for an out-patient hospital, and contains accommodations as complete as any institution of its kind in the country. Between twenty-four and twenty-five thousand

patients are treated in this dispensary annually. It has the following eight departments: Medical, Surgical, Throat, Eye and Ear, Gynecological, Neurological, Diseases of Children, Syphilis and Diseases of the Skin, and Orthopedic Surgery. Each department occupies a separate room, or suite of rooms, and is in charge of a clinical instructor.

Small classes of students are trained by the physicians in charge of the respective departments in the details of physical diagnosis appropriate to each. A record of the attendance of each student at these clinics is preserved, and is used in estimating his clinical record.

Members of the Clinical Class may serve as assistants to the physicians and surgeons of the several departments of the Dispensary, and to the Pharmacist of the Dispensary, and receive certificates of such service. Members of the Attending Staff appoint their own assistants, and the term of service is eight weeks.

HOSPITAL APPOINTMENTS.

Six members of the House Staff at Mercy Hospital are appointed annually by means of a competitive examination. The service is one year. Only students of this school are eligible to the examination.

There are four similar appointments at St. Luke's Hospital, with a service of two years. Graduates of any regular medical college in the city may take this examination.

There are twelve appointments annually at Cook County Hospital. The service is eighteen months, and graduates of any regular medical college in good standing are eligible to the examination.

There are three appointments at Michael Reese Hospital. The service is one year.

There are two appointments at St. Elizabeth's Hospital.

There are five appointments at Alexian Brothers' Hospital, one at Wesley Hospital and two at Provident Hospital.

The following graduates of the school received hospital appointments in 1899:

William Henry Bartran, Jr.
George E. Baxter.
Clayton Herman Bokhof.
Gates Munro Brown.
Achilles Davis.
Howard Woods Day.
Elmer Hinman Dwelle.
Ernest A. Fetherston.
George John Fiebiger.
Frank Davis Gray.
Alexander Hoyt Hepburn.
Julius Hess.
Oscar Cornish Heyerdale.
Gustavus Ingomar Hogue.
Charles Perry Horner.
Burt Foster Howard.

Arthur Dudley Jackson.
Allen Buckner Kanaval.
Sumner Marcy Miller.
Arthur W. Morse.
James Richard Morison.
Max C. Ruehl.
Charles Joseph Schoenfeld.
William Skinner.
Joseph Ward Steffens.
Charles A. Stevens.
George Tupper.
James Murray Washburn.

FINAL EXAMINATIONS.

Final examinations are held in each required course at the end of each semester.

Examinations for those who need a second examination are given in October.

Students defective in two or more branches after the October examinations must take those branches over, and can elect no studies that conflict with them. Such students will be classed as irregulars.

HONORS.

To a few students deemed worthy by the faculty because of their uniform good standing, honors will be granted and they may be graduated Cum Laude or Magna Cum Laude.

To students who have uniform good standing in required subjects and who do special work of an excellent character in any department, special honors will be granted and their names will be published annually in a list of special honor students.

REQUIREMENTS FOR GRADUATION.

To obtain the degree of Doctor of Medicine, students who begin their medical studies in this school are required to take four full courses of lectures.

Essentials for graduation are:

1. Age, twenty-one years or over.
2. Four annual courses of lectures of eight months each.
3. Good moral character (which includes unexceptionable conduct while at the school).
4. Dissection of the median half of the human body.
5. Attendance upon clinics for three years.

6. Credit for eight semesters of work and satisfactory standing in all final examinations.

7. Payment in full of all fees.

ASSIGNMENT OF SEATS.

Students may register and secure seats in the amphitheaters at the opening of the next session, or by sending five dollars to H. P. Hendricks, Clerk of the School, at an early date.

SCHOLARSHIPS.

The Faculty has established four scholarships which are awarded annually to those students who can demonstrate that they have the best preparation for the study of medicine. All applications must be made by August 30th. Letters of recommendation, certificates of college work done, etc., must accompany the applications. The awards will be made by September 15th.

EXPENSES.

Matriculation Fee.—The student is required to pay at the time of his first registration a matriculation fee of *five dollars.* This fee is paid but once, and is charged all students alike.

Annual Fee.—A fee of *one hundred and thirty-five dollars* must be paid annually by all students, except those who have graduated from the College of Liberal Arts of this University or regularly pursued their studies therein during two college years prior to 1896. Students coming within this exception pay an incidental fee of *thirty dollars.*

This fee can be paid in installments as follows: Before October 5th, $50.00; before January 5th, $50.00; before April 5th, $35.00. A discount of $10.00 is made when the whole amount is paid before October 15th.

Practitioners who are making brief visits to the city are always welcome to attend lectures and clinics. Those wishing to attend single lecture or laboratory courses through the year will be charged from *fifteen to twenty-five dollars* for each

course. Those who wish to take all of the work of any one year will pay the same fee that regular students do.

Elective Courses.—A fee is charged for certain elective courses to cover cost of material used.

Deposits.—Deposit fees of ten dollars are required as a precaution against breakage or injury to apparatus in the laboratories and unnecessary damage to buildings or loss of instruments in laboratories and clinics. These fees are refunded in case no injury or loss occurs.

Deductions from them will be made to cover breakage in laboratories and any unnecessary injury to the buildings or property of the college. Such deductions will be made from the deposit of individual students when it can be determined who has caused breakage or loss of apparatus or defacement of buildings. When it cannot be determined who has caused such loss or injury to college property the value of the loss or injury will be deducted pro rata from the deposits of all students. This deposit must be made before October 15th.

Board and lodging vary in price from *three and a half* to *six dollars* a week. Rooms, for those who desire to board and lodge themselves, will cost from *six to ten dollars* per month. In clubs, board can be secured for *two dollars* a week. The Clerk has a list of good boarding-places and rooms, and will assist students in finding suitable accommodations.

How to Reach the College.—Students who desire to go directly to the college from the trains should take the State Street cable cars and get off at Twenty-fourth Street. State Street is the great retail street of the south side, and easily reached from any railway station in the city.

For further information relating to the Medical School, address Professor N. S. Davis, Jr., M.D., Secretary, 2431 Dearborn Street, Chicago, Illinois.

THE LAW SCHOOL.

ASSOCIATION BUILDING, 153 LASALLE ST., CHICAGO.

FACULTY.

HENRY WADE ROGERS, A.M., LL.D., PRESIDENT OF THE UNIVERSITY.

PETER STENGER GROSSCUP, A.M., LL.D., *Dean and Professor of Law.*

HARVEY BOSTWICK HURD, LL.D., *Professor of Law.*

EDWARD AVERY HARRIMAN, A.B., LL.B., *Secretary and Professor of Law.*

JOHN HENRY WIGMORE, A.M., LL.B., *Professor of Law.*

BLEWETT LEE, A.M., LL.B., *Professor of Law.*

EDWIN BURRITT SMITH, A.M., LL.M., *Professor of Law.*

JULIAN WILLIAM MACK, LL.B., *Professor of Law.*

NATHANIEL CLINTON SEARS, A.M., LL.D., *Professor of Law.*

FRANK ORREN LOWDEN, A.B., LL.B., *Professor of Law.*

LOUIS LEE DENT, A.M., *Tutor in Law.*

LESTER LE GRAND BOND, *Lecturer on Trade-Marks and Copyrights.*

CHARLES CHENEY HYDE, A.M., LL.B., *Lecturer on American Treaties and Diplomacy.*

The Law School was founded in 1859, there being at the time but three similar schools west of the Alleghany Mountains. For a long time it was known as the Union College of Law, but in 1891 it assumed its present name.

The Law School offers to students a thorough training in the fundamental subjects of the law. Its students come from all parts of the country, and its course is arranged with a view to giving students that knowledge of the law which will be indispensable to them wherever they may practice. Special opportunities, however, are afforded for acquir-

ing a knowledge of the law of Illinois, the peculiarities of which are pointed out in each course.

Law students are admitted without charge to courses in the College of Liberal Arts. The consent of both faculties must be obtained, however, and not more than one subject may be taken in the college each year.

SCHOOL ACCOMMODATIONS.

The Law School has recently moved into new quarters in the Association Building, 153 LaSalle Street, where it now occupies the thirteenth and fourteenth floors. The thirteenth floor is used for a lecture-room, offices, and students' rooms. The fourteenth floor is used as a library and reading-room. The opportunities for study at the rooms of the Law School have been greatly enlarged by an increase in the amount of room devoted to library and reading-room purposes, and by an increase in the number of books in the School library. The building is centrally located and is only two blocks from the Court House, where students have access to the Law Institute library.

The central department of the Young Men's Christian Association of Chicago is situated in the same building with the Law School. The Association offers to members of the School all the advantages of a fine club at a very moderate price. A full statement of the opportunities which the Association affords to students may be obtained by addressing the Secretary of the Association.

REQUIREMENTS FOR ADMISSION.

Persons applying for admission as regular students must answer the following requirements:

1. *Age.*—They must not be less than eighteen years of age.

2. *Preliminary Education.*—A candidate for a degree must have a preliminary general education equivalent to that of a graduate of a high school. For the proof of such education required, see the Law School Circular.

3. *Time of Entrance.*—No applicant not coming from another

law school will be admitted to the first-year class after the second week in January. This is because the courses of study are carefully graded and an acquaintance with earlier courses is necessary for the pursuit of the later ones. Those who do not enter by the beginning of January cannot work with profit to themselves, and are a hindrance to the progress of others. All students intending to enter the school are strongly urged to do so at the beginning of the year. The disadvantage of delay is great, especially to students who intend to practice law in Illinois.

SPECIAL STUDENTS.

Persons not desiring to be candidates for a degree may pursue one or more courses as special students, provided they are qualified to pursue such courses to advantage. They will receive a certificate of all work done, and they may at any time enter as candidates for a degree, provided they are qualified under the above requirements. No special student may take more than twenty-five term-hours of work in one year without special permission from the Secretary.

COURSE OF INSTRUCTION.

FIRST YEAR.

FIRST TERM.

Contracts—Three hours a week. Keener's Cases on Contracts. Harriman on Contracts. Professor HARRIMAN.

Torts—Two hours a week. Ames and Smith's Cases on Torts. Woodruff's Cases on Domestic Relations. Professor WIGMORE.

Real Property (*A*)—Two hours a week. Tiedeman's Text and Cases on Real Property. Professor SMITH.

Common Law Pleading—Two hours a week. Perry on Pleading. Professor HURD.

Procedure—One hour a week. Professor HURD.

SECOND TERM.

Contracts (continued)—Three hours a week. Professor HARRIMAN.

Torts (continued)—Three hours a week. Professor WIGMORE.

Real Property (*A*) (continued)—One hour a week.
Professor SMITH.

Bailments and Carriers—Two hours a week. McClain's Cases on Carriers. Professor WIGMORE.

Personal Property—One hour a week. Smith on Personal Property. Professor HURD.

First-year students are not permitted to take any second-year or third-year courses.

SECOND YEAR.

FIRST TERM.

Evidence—Two hours a week. Thayer's Cases on Evidence.
Professor WIGMORE.

Trusts—Two hours a week. Ames' Cases on Trusts.
Professor MACK.

Agency—Two hours a week. Wambaugh's Cases on Agency. Huffcut on Agency. Professor HARRIMAN.

Real Property (*B*)—One hour a week. Tiedeman's Text and Cases on Real Property. Professor SMITH.

Commercial Paper—Two hours a week. Huffcut on Negotiable Instruments. Professor MACK.
(Given in alternate years. Omitted in 1900-1901.)

Quasi-Contracts—Two hours a week. Selections from Keener's Cases on Quasi-Contracts. Professor WIGMORE.

Sales—Two hours a week. Williston's Cases on Sales.
Professor MACK.
(Given in alternate years. Omitted in 1899-1900.)

Equity (*A*)—Torts. Three hours a week. Keener's Cases on Equity, Vol. I. Professor LEE.
(Given in alternate years. Omitted in 1900-1901.)

Equity (*B*)—Contracts. Three hours a week. Keener's Cases on Equity, Vol. II or III. Professor LEE.
(Given in alternate years. Omitted in 1899-1900.)

SECOND TERM.

Evidence (continued)—Two hours a week.
Professor WIGMORE.

Real Property (*B*) (continued)—Two hours a week.
Professor SMITH.

Commercial Paper (continued)—Two hours a week.
Professor MACK.
(Given in alternate years. Omitted in 1900-1901.)

Sales (continued)—One hour a week. Williston's Cases on Sales. Professor MACK.

(Given in alternate years. Omitted in 1899-1900.)

Criminal Law—One hour a week. May on Criminal Law. Professor HURD.

Wills and Administration—One hour a week. Bigelow on Wills. Professor SMITH.

Trusts (continued)—Two hours a week. Professor MACK.

Bankruptcy—One hour a week. Professor MACK.

(Given in alternate years. Omitted in 1899-1900.)

Domestic Relations—One hour a week. Woodruff's Cases on Domestic Relations. Professor WIGMORE.

(Given in alternate years. Omitted in 1899-1900.)

Master and Servant—One hour a week. Wambaugh's Cases on Agency. Professor WIGMORE.

The courses in Constitutional Law are also open as electives to members of the second-year class. No second-year student, however, may take courses amounting to more than 25 term-hours, or an average of 12½ hours a week for the year, without special permission from the Secretary; and no second-year student may take any other third-year courses than those in Constitutional Law.

THIRD YEAR.

FIRST TERM.

Corporations (*A*)—(The general theory of private corporations.) Three hours a week. Smith's Cases on Corporations. Professor HARRIMAN.

Practice—(At common law and in equity.) Two hours a week. Judge SEARS.

Suretyship—One hour a week. Ames' Cases on Suretyship. Professor LEE.

Equity Pleading—One hour a week. Shipman on Equity Pleading. Professor HURD.

Conveyancing—One hour a week. Professor SMITH.

Federal Jurisprudence—Two hours a week. Curtis on United States Courts. Professor LOWDEN.

International Law—One hour a week. American Treaties and Diplomacy. Mr. HYDE.

SECOND TERM.

Partnership—Two hours a week. Ames' Cases on Partnership. Burdick on Partnership. Professor HARRIMAN.

Practice (continued)—Two hours a week. Judge SEARS.

Corporations (*B*)—(The relation of Corporations to the State.) One hour a week. Smith's Cases on Corporations.
Professor HARRIMAN.

(Given in alternate years. Omitted in 1900-1901.)

This course must be taken in connection with Corporations (A), only one examination being held for both courses.

Municipal Corporations—One hour a week. Smith's Cases on Municipal Corporations. Professor HARRIMAN.

(Given in alternate years. Omitted in 1899-1900.)

This course must be taken in connection with Corporations (A), only one examination being held for both courses.

Constitutional Law (*A*)—(Taxation, Contracts, Commerce, War, etc.) Three hours a week. Thayer's Cases on Constitutional Law, Vol. II. Professor LEE.

(Given in alternate years. Omitted in 1900-1901.)

Constitutional Law (*B*)—(In General, Police Power, Eminent Domain.) Three hours a week. Thayer's Cases on Constitutional Law, Vol. I. Professor LEE.

(Given in alternate years. Omitted in 1899-1900.)

International Law—Two hours a week. Snow's Cases on International Law. Judge GROSSCUP.

One hour a week. American Treaties and Diplomacy (continued). Mr. HYDE.

Regular third-year students may also elect any second-year courses not previously taken.

Moot Court—Once a week. Members of the Faculty preside in turn.

The student may take the work in moot court either in his second or in his third year, or in both years, and will receive credit for one term-hour for work satisfactorily done therein. This work is also open to graduates and members of the bar. All students wishing to take this work must leave their names with the Secretary on or before October 1st, in order that cases may be assigned and set for hearing.

COURSES NOT COUNTED TOWARD A DEGREE.

Legal Ethics—Five lectures. Professor LOWDEN.

Trade-Marks and Copyrights—Six lectures. Mr. BOND.

General Review—Thirty-six hours. This course is given four times a year, beginning about six weeks prior to each bar examination

in this State. Two hours a week, three evenings a week, are devoted to special preparation for the bar examination. This course is open to graduates of this school, and to other persons with the permission of the instructor. Mr. DENT.

GRADUATE WORK.

This school confers no higher degree in law than that of Bachelor of Laws, that degree being in itself properly an advanced degree. The school offers, however, to graduates of other law schools who desire to pursue their studies further, special opportunities. The following courses are particularly recommended to graduates of law schools.

(1) *Constitutional Law.*

(2) *Federal Jurisprudence.*

(3) *International Law*—In this course special research is provided for in the problems of international law of consequence in American diplomacy.

(4) *Practice*—In this course a thorough training is given in practice at common law and in equity, with special reference to the needs of members of the Illinois bar.

(5) *Conveyancing*—In this course special attention is paid to the forms of deeds and other legal instruments in use in Illinois.

(6) *General Review*—A general review of the law is offered to graduates of law schools who wish to prepare for the bar examination in Illinois. This course is given four times a year, beginning about six weeks prior to each bar examination. The course is free to graduates of this law school, and is open to other students who satisfy the instructor that they have had sufficient training in law.

(7) *Moot Courts*—The Moot Court work, fully described elsewhere, is of special value to graduates of law schools on account of the training it affords in the preparation of briefs, and the oral argument of legal questions.

(8) *Original Research*—The Faculty desire to encourage original research on the part of law school graduates. Special arrangements may be made with any member of the Faculty for the pursuit of original investigation in any legal subject.

SCHEDULE FOR FIRST HALF-YEAR.

	MONDAY.	TUESDAY.	WEDNESDAY.	THURSDAY.	FRIDAY.	SATURDAY.
8:45	Real Property (B).	Commercial Paper.	Equity (A).	Commercial Paper.	Equity (A).	Equity (A).
9:45	Evidence.	Trusts.	Agency.	Trusts.	Evidence.	Moot Court.
10:45		Quasi-Contracts.	International Law.	Quasi-Contracts.	Agency.	
1:45	Torts.	Real Property (A).	Procedure.	Real Property (A).	Torts.	
2:45	Contracts.	Pleading.	Contracts.	Contracts.	Pleading.	
3:45	Corporations (A).	Federal Jurisprudence.	Corporations (A).	Corporations (A).	Federal Jurisprudence.	
4:45	Suretyship.	Practice.	Equity Pleading.	Practice.	Conveyancing.	

SCHEDULE FOR SECOND HALF-YEAR.

	MONDAY.	TUESDAY.	WEDNESDAY.	THURSDAY.	FRIDAY.	SATURDAY.
8:45	Real Property (B).	Wills.	Commercial Paper.	Real Property (B).	Commercial Paper.	
9:45	Evidence.	Criminal Law.	Trusts.	Evidence.	Trusts.	
10:45		Master and Servant.	International Law.			
1:30	Torts.	Torts.	Personal Property.	Torts.	Real Property (A).	
2:30	Contracts.	Carriers.	Contracts.	Contracts.	Carriers.	
3:45	Partnership.	International Law.	Partnership.	Corporations (B).	Internatio nal Law.	
4:45	Constitutional Law (A).	Practice.	Constitutional Law (A).	Practice.	Constitutional Law (A).	

SYSTEM OF STUDY AND INSTRUCTION.

The modes of instruction are varied, and depend more or less upon the individuality of the instructor and the character of the particular course. The study of cases, while not employed by all instructors as the basis of work, is particularly emphasized, especially in the fundamental subjects of the law. The object of the instruction given is not merely to secure familiarity with the rules of law as actually enforced, but also to develop a legal mind, to train the student in the art of legal reasoning, and to cultivate the faculty of sound legal common sense; in short, to prepare for the practical work of giving intelligent legal advice upon actual situations laid before an attorney by a client.

It is desirable that the student should, if possible, devote his time exclusively to his work in the law school. The constantly increasing complexity of the law demands a thorough acquaintance with legal principles, which can be obtained only in a law school, and the work required of a student in this school is amply sufficient to occupy all his time.

MOOT COURTS AND THESES.

1. *Moot Courts.* For the purpose of training students in the independent investigation of legal questions and in the preparation of briefs, moot courts are held weekly during the greater part of the year, in which the instructors preside as judges, and the members of the class prepare briefs and make oral arguments upon difficult cases given out beforehand. Each member of the second and third year classes has an opportunity during the year to take part as counsel in these exercises. Application, however, must be made on or before October 1st.

2. *Theses.* It is the desire of the Faculty to encourage original research by students. Any member of the third-year class may therefore obtain credit to an amount not exceeding two term-hours by presenting a satisfactory thesis upon some legal topic approved by a member of the Faculty before Octo-

ber 1st. The thesis must be presented on or before May 1st of the year in which the student expects to graduate. It must be printed on typewriter or otherwise, and is to be kept permanently in the school. Thesis work should be begun in October.

PRIZES.

1. *The Callaghan Prize*—A prize of fifty dollars in books, to be selected from their own publications, the gift of Messrs. Callaghan and Company, of Chicago, will be awarded annually to the member of the graduating class having the best record for the entire course.

In 1899 the Callaghan Prize was awarded to Charles Byrd Elder, of Chicago.

2. *The Encyclopædia Prize*—A prize of a set of the Encyclopædia of Pleading and Practice, or a set of the first edition of the Encyclopædia of Law, or a set of the second edition of the Encyclopædia of Law, as the student may elect, the gift of The Edward Thompson Company, of Northport, Long Island, is offered to the student who shall write the best thesis on some subject assigned by the Faculty.

Theses offered in competition for the Encyclopædia Prize must be presented at the office of the Law School on or before May 1st.

In 1899 the Encyclopædia Prize was awarded to Francis Joseph Ross Mitchell, A.B., of Evanston.

LIBRARY FACILITIES.

By an arrangement which the School has made with the Law Institute of Chicago, students are allowed free access to its ample library, which is located in the Court House, only two blocks distant from the School. This library contains over 30,000 volumes, including the reports and statutes of the United States and all of the states in the Union, as well as the English, Scotch, and Irish reports and statutes, and a large collection of treatises and digests. For the use of this library, practicing lawyers, members of the Institute, pay $100 per share, besides an annual assessment of from $10 to $12.

Students also have the benefit, without charge, of the large Public Library of the city, which is located about the same dis-

tance from the School, and contains 188,000 volumes. They also have access, without charge, to the Newberry Library, which contains 117,000 volumes.

In addition to the library of the Law Institute, the Law School has a library of its own, in which will be found the reports and text-books most needed for reference. This library has recently been largely increased through gifts.

DEGREES.

All degrees are conferred at the general University Commencement, on which occasion all candidates for degrees are required to present themselves, the Oxford cap and gown being worn as the official dress.

I. BACHELOR OF LAWS.

The degree of Bachelor of Laws will be conferred upon students who comply with the following requirements:

I. *Attendance*—Regular attendance for three years is required of all students with the following exceptions:

1. Students who have studied law for one year either in a college, a law school or an attorney's office, may obtain a degree in two years.

2. Students who have satisfactorily completed two years' study in a law school in good standing may obtain a degree in one year.

3. Students who have satisfactorily completed one year's study in a law school in good standing, and who have also studied law for one year, either in a college, a law school or an attorney's office, may become candidates for a degree in one year by obtaining special permission from the Secretary.

II. *Registration*—Candidates for a degree must register for work amounting to at least ten hours a week for each year.

III. *Examinations*—All candidates for a degree must pass examinations in courses amounting to sixty term-hours, the equivalent of ten hours a week for three years; but persons who have satisfactorily completed a two years' course of study in a law school in good standing will be excused from one-half of the examinations above required.

Four grades are given for work done. The grades are as follows: A, excellent; B, satisfactory; C, unsatisfactory; D, failure. A stu-

dent can count a course in which he obtains grade C only by obtaining grade A in another course or courses of equivalent amount, except that students taking examinations in this school, in the full amount of required work, may count courses in which they obtain grade C to the extent of one-sixth of such required work, or ten term-hours.

II. MASTER'S DEGREE.

The Master's Degree in Arts, Philosophy, Science or Letters will be conferred under the following conditions:

A graduate of the College of Liberal Arts of this University, or of some other in which the requirements for the Bachelor's Degree in Arts, Philosophy, Science or Letters are equivalent to the requirements for the same degree at this University, may obtain the Master's degree at the same time with the degree of Bachelor of Laws by pursuing, with the sanction of the Faculty of Liberal Arts, advanced work in subjects approved by that Faculty, and obtaining credit in such work to the amount of twelve semester-hours. The courses of study may, in part or entirely, deal with legal subjects; but courses of legal study, in order to count for the degree, must be (*a*) of an advanced nature, (*b*) not otherwise counted for the degree of Bachelor of Laws, (*c*) pursued under the direction of a member of the Faculty of the Law School. Students in law intending to become candidates for the Master's degree must register for the same in the College of Liberal Arts and in the Law School on or before the first Monday in October of the year in which they expect to graduate, and must pay the diploma fee of ten dollars. The Master's degree is open upon the same terms to graduates of the Law School who register before the October next following the completion of their professional course.

The following subjects have been approved by the Faculty of Liberal Arts, and work therein may be counted for the Master's degree: Constitutional Law, International Law, Administrative Law, Roman Law, Jurisprudence, Legal History.

FEES.

NOTE.—Fees for new students are subject to change. For any changes see the Law School Circular for 1900-1901.

1. The tuition fee for regular students is one hundred and five dollars a year, payable in three installments of thirty-five dollars each, October 1st, January 10th, and April 1st. A rebate of five dollars is allowed to students who pay the entire tuition in advance on October 1st. This fee entitles a student to take only the regular work of the class in which he registers.

2. Fees for special students are calculated on substantially the above basis. For any course the fee is five dollars for each hour per week of classroom-work for a half-year. The fee for the General Review in preparation for admission to the bar is fifteen dollars. To graduates of this School this course is free.

3. All fees for special courses are payable at the beginning of each course.

4. Students taking other than the regular work of the class pay fees as special students for the courses taken.

5. A matriculation fee of five dollars is payable by all students at the time of entering the School.

6. A fee of ten dollars is charged for a diploma conferring the degree of Bachelor of Laws. This fee is payable June 1st, and is refunded if the student fails to graduate.

7. No reduction of fees is made to students who enter the School after the beginning of the academic year.

8. Students are permitted to take only those courses for which they pay tuition, but a student, while paying the regular fee of one hundred and five dollars, may attend without charge any course for which he has paid in any preceding year.

9. No fees except diploma fees are refunded for any cause, but a student who is prevented by sickness or otherwise from attending any course may attend the same course in any subsequent year without charge.

10. The registration of all students who fail to pay their fees at the appointed time is canceled. Any student whose

registration is canceled is required to pay a fee of one dollar for reinstatement.

11. Students may withdraw from the School at any time by giving written notice to the Secretary. Upon the receipt of such notice by the Secretary, the student will be released from his obligation to pay installments of tuition becoming due thereafter.

EXPENSES OF LIVING.

The School is situated within ten minutes' walk of a district in which there are great numbers of private boarding houses. A list of desirable places is kept at the School. The following table exhibits the different scales of expenditure, from which the student may estimate the annual cost of living while at the School.

	LOW.	AVERAGE.	LIBERAL.
Tuition	$100	$100	$100
Board (36 weeks)	110	135	200
Room	38	70	100
Washing	15	25	35
Text-books and Stationery	30	40	45
	$293	$370	$480

For further information relating to the School, address the Secretary of the Faculty, Northwestern University Law School, Association Building, 153 LaSalle St., Chicago, Illinois. Full information for the year 1900-1901 will be published in a special circular hereafter to be issued.

SCHOOL OF PHARMACY.

2421 Dearborn Street, Chicago.

FACULTY.

Henry Wade Rogers, LL.D., *President.*

Oscar Oldberg, Pharm.D., *Dean, Professor of Pharmacy.*
John Harper Long, Sc.D., *Professor of Chemistry.*
William Edward Quine, M.D., *Emeritus Professor of Physiology, Therapeutics, and Toxicology.*
Albert Schneider, Ph.D., M.D., *Secretary, Professor of Botany, Materia Medica, and Pharmacography.*
Maurice Ashbel Miner, Pharm.M., *Registrar, Assistant Professor of Pharmacy.*
Frank Burnett Dains, Ph.D., *Assistant Professor of Chemistry.*
Carl George Hunkel, Ph.G., B.S., *Assistant Professor of Analytical Pharmaceutical Chemistry.*
Charles Waggener Patterson, Ph.C., *Instructor in Dispensing.*
Henry B. Carey, B.S., *Instructor in Botany and Pharmacography.*
William Johnson, Ph.G., *Instructor in the Chemical Laboratory.*

The School of Pharmacy is now entering upon its fifteenth year. It offers systematic courses of training for pharmacy under conditions very favorable to the student. Ample laboratory facilities are provided, and a strong Faculty of experienced teachers, devoting their whole time and attention to the work of their departments of instruction, is maintained. The courses of study and laboratory practice are to the fullest extent adapted to the special requirements of the practicing pharmacist. All of the time included in the annual sessions is fully occupied by the school work, so that the student is able to derive the full benefit of his attendance.

The school year begins in the third week of September and is divided into three terms of about three months each.

The fall term ends with the Christmas recess; the winter term begins immediately after the Christmas recess and ends in the first week of April; the spring term then begins and continues until the end of the University year.

ADMISSION.

Students entering for the degree of Graduate in Pharmacy must be at least eighteen years of age and possess a good general education, such as is obtainable in the best American public schools. Students entering for the degree of Pharmaceutical Chemist must have a general education equivalent to two years of successful work in a good high school. Matriculants must submit to the Faculty satisfactory evidence showing what schools they have attended, the number of years in attendance, and the studies pursued. Blanks for this purpose will be furnished by the School. Students who do not present satisfactory evidence of sufficient preliminary education, and those who prefer to enter by examination, are examined.

COURSES AND DEGREES.

The course for the degree of Graduate in Pharmacy occupies two annual school sessions of six months each, from September to April, the graduating exercises being held at the close of the second year in the second week of April. This course includes instruction in general chemistry, chemical analysis, pharmacy, botany, microscopy, pharmacognosy, dispensing, and analytical pharmaceutical chemistry, including drug assaying.

The course for the degree of Pharmaceutical Chemist includes all of the work required for the other degree, together with additional work during the fall and winter terms of the second year and full work during the spring terms of both years. The additional instruction is devoted to more advanced work in quantitative inorganic and organic analysis, urine analysis, chemistry, pharmacy, botany, microscopy, bacteriology, and sanitary analysis.

THE LABORATORIES.

There are seven principal laboratories, providing floor and table space for the work of about four hundred students annually. These laboratories are: (1) The General Chemical Laboratory, in which courses are given in preparatory experimental chemistry, qualitative chemical analysis, inorganic volumetric analysis, and inorganic gravimetric analysis; (2) the General Pharmaceutical Laboratory, for courses in pharmaceutical preparations and chemicals; (3) the Laboratory for Pharmaceutical Botany, Pharmacognosy, and Microscopical Work; (4) The Laboratory for Applied Pharmaceutical Chemistry, in which courses are given in drug assaying, the valuation of organic pharmaceutical preparations, food and sanitary analysis, and other organic analytical work; (5) the Dispensing Laboratory, for instruction and practice in the art of compounding and dispensing medicines and for related courses; (6) the Bacteriological Laboratory, in which training is given in the technique of preparing culture media, methods of culture, etc., and (7) the Laboratory for Physiological Chemistry, in which urine analysis is taught.

THE MUSEUMS AND LIBRARY.

The museum contains several thousand specimens of plant-drugs and related products, extensive and valuable collections not only of the common chemicals employed in medicine and pharmacy, but also of other interesting and instructive products of chemical technology; and the library contains such works as are most useful to the scientific and practical pharmacist, and also the most important periodical publications, foreign as well as American.

COURSES OF INSTRUCTION.

FIRST YEAR.

FIRST TERM.

Metrology, Materia Pharmaceutica, and Pharmacy—Four hours a week. Professor OLDBERG.

Physics, General Inorganic Chemistry, and the Chemistry of the Non-Metallic Elements—Four hours a week. Professor LONG.

General Botany, Microscopy, and the Histology of the Cryptogams, with laboratory work—Four hours weekly.

Professor SCHNEIDER.

Laboratory Courses in Chemistry—Twelve hours a week.

Assistant Professor DAINS.

Laboratory Courses in Pharmacy—Six hours weekly.

Assistant Professor MINER.

Pharmaceutical Mathematics—One hour a week.

Mr. PATTERSON.

SECOND TERM.

The Chemistry of the Metals—Four hours weekly.

Professor LONG.

Pharmaceutical Botany; the Histology of the Phanerogams; Vegetable Organography and Taxonomy, with laboratory work—Four hours a week. Professor SCHNEIDER.

Pharmacy; the Pharmaceutical Preparations; Pharmacopœia of the United States; Pharmaceutical Nomenclature—Four hours weekly.

Professor OLDBERG.

Laboratory Courses in Chemistry—Twelve hours weekly.

Assistant Professor DAINS.

Laboratory Courses in Pharmacy—Six hours weekly.

Assistant Professor MINER.

Pharmaceutical Problems—One hour weekly.

Mr. PATTERSON.

THIRD TERM.

Chemical Physics—One hour a week. Professor LONG.

Pharmacy; Unofficial Preparations; Methods of Extraction and Purification of Plant Constituents of Pharmaceutical Importance—Two hours weekly. Professor OLDBERG.

Bacteriology—Lectures and laboratory work—Eleven hours weekly. Professor SCHNEIDER.

Field Botany. Professor SCHNEIDER.

Laboratory Courses in Chemistry; Inorganic Gravimetric Analysis—Sixteen hours weekly. Assistant Professor DAINS.

Laboratory Courses in Pharmacy; Unofficial Preparations and Chemical Constituents of Plant-Drugs—Eight hours weekly.

Assistant Professor MINER.

SECOND YEAR.

FIRST TERM.

Pharmacy of the Inorganic Chemical Preparations and of Organic Pharmaceutical Chemicals—Four hours weekly.

Professor OLDBERG.

General Organic Chemistry, Course A—Two hours weekly.
Professor LONG.

Pharmacography, Course A—Three hours weekly.
Professor SCHNEIDER.

Electricity—About one hour weekly. Optional.
Professor LONG.

Human Anatomy and Physiology—One hour weekly.
Professor SCHNEIDER.

Analytical Pharmaceutical Chemistry—One hour weekly.
Assistant Professor HUNKEL.

Laboratory Courses in Pharmacy; Inorganic Chemicals—Fourteen hours weekly. This course may be taken either in the first or second term. Assistant Professor MINER.

Laboratory Course in Dispensing—Two hours weekly.
Mr. PATTERSON.

SECOND TERM.

Pharmacography; Course B—Three hours weekly.
Professor SCHNEIDER.

General Organic Chemistry; Course B—Two hours weekly.
Professor LONG.

Pharmacy of the Organic Drugs; Art of Dispensing—Four hours weekly. Professor OLDBERG.

Materia Medica and Therapeutics—One hour weekly.
Professor SCHNEIDER.

Analytical Pharmaceutical Chemistry—One hour weekly.
Assistant Professor HUNKEL.

Laboratory Courses in Applied Pharmaceutical Chemistry; Assaying of Drugs and Preparations—Fourteen hours weekly. This course may be taken either in the first or second term.
Assistant Professor HUNKEL.

Laboratory Course in Dispensing—Two hours weekly.
Mr. PATTERSON.

THIRD TERM.

Pharmacy; the Organic Pharmaceutical Chemicals (Advanced); Pharmacopœias of the World; Pharmacy Laws—Two hours weekly.
Professor OLDBERG.

Micro-technique; Examination of Powdered Drugs—Three hours weekly, including laboratory work. Professor SCHNEIDER.

Chemistry of the Organic Synthetic Compounds—Two hours weekly.
Assistant Professor DAINS.

Determination of Alkaloids and Glucosides, and Food and Sanitary Analysis—Sixteen hours weekly. Assistant Professor HUNKEL.

Urine Analysis—Eight hours weekly. Laboratory course.
Professor LONG.

Laboratory Course in the Production of Organic Pharmaceutical Chemicals—Eight hours weekly. Assistant Professor MINER.

FEES AND EXPENSES.

The *Matriculation Fee*, payable only once, and before registration for the first course, is $5.00.

The *Diploma Fee*, payable not later than two weeks prior to graduation, is $10.00.

The *Tuition Fee* for the fall term is $40.00, for the winter term $40.00, and for the spring term $30.00. These fees are subject to discount when all dues are paid for two consecutive terms in advance.

The charge for *materials* consumed by the student in his laboratory work is $5.00 per term.

Each student is required to make a *deposit* of $5.00 before being assigned tables and apparatus in the laboratories. Students who may damage or destroy apparatus or other college property to the value of more than the amount of their deposits, will be required to make good the damage in full.

A *discount* of $5.00 is made when the fees for two consecutive terms are paid at one time in advance.

No tuition will be refunded.

Text-books, note-books, laboratory aprons, towels, filter-paper, and other articles not included in the outfits of apparatus, or not returnable, are furnished to the students at cost. A coupon ticket costing $5.00 is used for this purpose. But any student may purchase these books and articles wherever he sees fit.

BOARD AND ROOM.

Very good board and room together can be secured near the school at from four to six dollars per week. Students may also secure rooms and board separately. Information in regard to these matters and addresses of reliable and satisfactory boarding places and furnished rooms will be supplied

at the college office. Good accommodations are plentiful and satisfactory arrangements can be quickly made by each student immediately upon his arrival. It is wholly unnecessary and rarely advantageous to secure board and room in advance.

For further information and special circular relating to the School of Pharmacy, address Professor Oscar Oldberg, the Dean of the School, 2421 Dearborn Street, Chicago, Illinois.

THE DENTAL SCHOOL.

Corner of Madison and Franklin Streets, Chicago.

FACULTY.

Henry Wade Rogers, LL.D., *President of the University.*

Greene Vardiman Black, M.D., D.D.S., Sc.D., LL.D., *Dean, Professor of Operative Dentistry, Pathology and Bacteriology.*

Thomas Lewis Gilmer, M.D., D.D.S., *Professor of Oral Surgery.*

John Sayre Marshall, M.D., *Professor Emeritus of Oral Surgery.*

Adelbert Henry Peck, M.D., D.D.S., *Professor of Special Pathology, Materia Medica and Therapeutics.*

Edmund Noyes, D.D.S., *Professor of Dental Jurisprudence and Ethics.*

William Edward Harper, D.D.S., *Professor of Operative Technics and Assistant Professor of Operative Dentistry.*

James Harrison Prothero, D.D.S., *Professor of Prosthetic Technics, Prosthetic Dentistry and Metallurgy.*

Frederick Bogue Noyes, B.A., D.D.S., *Professor of Histology.*

Twing Brooks Wiggin, M.D., *Professor of Physiology and Pathology.*

William Thomas Eckley, M.D., *Professor of Anatomy.*

Vernon James Hall, Ph.D., *Professor of Chemistry.*

George A. Dorsey, Ph.D., *Professor of Comparative Anatomy.*

Theodore Menges, B.S., D.D.S., *Professor of Physics. Secretary of the Faculty.*

James Nelson McDowell, D.D.S., *Lecturer on Orthodontia.*

Dickey Willard Craig, M.D., *Assistant in Oral Surgery and Lecturer on Anæsthesia.*

DEMONSTRATORS.

Homer Everett Robinson, D.D.S.

Arthur Clyde LaTouche, D.D.S.

Thomas Reed, D.D.S.

Robert William Johnson, D.D.S.

Fred Ferdinand Ehlers, D.D.S.

Ira Benson Sellery, D.D.S.

Harry Copley, D.D.S.

William Preston Scott, D.D.S.

Walter Willis Johnson, D.D.S.

George Morris Brosnihan, D.D.S.

Ralf Waldo Parker, D.D.S.
Fred William Parker, D.D.S.
Walter James Petrie, D.D.S.
Eugene Shaw Willard, D.D.S.
George Robert Richardson, D.D.S.
William Edward Morris, D.D.S.
Ruben Charles Traynham, D.D.S.
Fred William Gethro, D.D.S.
Nathanial Bryan Wede McCartney, D.D.S.
Benjamin Walberg.
Herbert Milton Craig, D.D.S.
James William Birkland, D.D.S.
George Buchanan Macfarlane, D.D.S.
Frank Theodore Gerecke,
Alice Stevens, D.D.S.

The Dental School was founded by men who believed that the practice of dentistry and that of medicine are so closely related as to make it necessary that students of dentistry should have thorough instruction in certain branches of medical science. The desire is to raise the standard of dental education as rapidly as is consistent with the means and ability of the majority of students who desire to be properly educated for successful practice. The course of instruction is progressive, and extends over three years.

REQUIREMENTS FOR ADMISSION.

Beginning with this year a radical change has been made by dental schools in the methods of examination for admission. Formerly the examinations were made by the officers of the Dental Schools, but the Faculties' Association, at the Omaha meeting in 1898, passed a rule requiring that examinations be made by the legally constituted officers of instruction of the locality in which the applicant resides.

Therefore students desiring to matriculate in this school must bring with them credentials signed by a county or state superintendent of schools, a city superintendent of schools, or a principal of a high school.

These credentials must show the applicant to have progressed in his studies to the grade of the third year of the high school in order to entitle him to matriculate in this school for the term beginning in October, 1900. These credentials will not be required of applicants who present diplomas from high schools or colleges.

ADMISSION TO ADVANCED STANDING.

Students who present certificates for courses taken in other recognized schools which cover subjects required in this school will be accredited with such studies if satisfactory to the professors in the respective departments.

COURSE OF STUDY.

FIRST YEAR.

Anatomy, two lectures per week during term.
Anatomy, dissecting the median half of the human body.
Physiology, to Nervous System, two lectures per week.
Histology, one lecture per week.
Histology, laboratory, two hours per week.
Chemistry, lectures and class work, two hours per week.
Operative Technics, three half days per week.
Prosthetic Technics, three half days per week.
Prosthetic Dentistry and Metallurgy, one lecture per week.
Quiz and study hours.

SECOND YEAR.

Anatomy, two lectures per week during term.
Anatomy, dissecting the median half of the human body.
Physiology, Nervous System, one lecture per week.
General Materia Medica and Therapeutics, one lecture per week.
Pathology, general, one lecture per week.
Chemistry, laboratory, three hours per week.
Histology, general and dental, one lecture per week.
Histology, laboratory, two hours per week.
Prosthetic Dentistry, one lecture per week.
Operative Dentistry, two lectures per week.
Prosthetic Dentistry, laboratory and infirmary practice.
Operative Dentistry, infirmary practice.
Quiz and study hours.

THIRD YEAR.

Dental Pathology, special, two lectures per week.
Oral Surgery, one lecture per week.
Oral Surgery Clinics, two hours per week.
Orthodontia, one lecture per week.
Orthodontia Clinics, three hours per week.
Dental Jurisprudence and Ethics, about ten lectures.

Prosthetic Dentistry, one lecture per week during first semester.
Prosthetic Dentistry, infirmary practice.
Operative Dentistry and Bacteriology, two lectures per week.
Operative Dentistry, infirmary practice.
Quiz and study hours.

FACILITIES FOR INSTRUCTION.

The equipment, already excellent for teaching dentistry in all of its branches, is being continuously and rapidly improved.

The Main Operative Clinic Room is eighty by one hundred feet, and twenty feet from floor to ceiling, and accommodates one hundred and forty operators comfortably at one time. It is furnished with the latest and best pattern of Columbia operating chairs. Around three sides of this room, above the windows, a gallery has been constructed, on which is placed separate lockers with combination locks for each student, in which to keep his engine, operating case, hat, wraps and operating coat.

The Crown and Bridge Clinic Room opens off from the main operative clinic room, and is furnished with twenty new Columbia operating chairs, in which the clinical fitting of crowns, bridges and plates for artificial teeth is done. A new laboratory for prosthetic work has been provided for practical cases of crown, bridge and plate work. This room is furnished with lathes, electric engines, benches, vises, electric ovens for baking porcelain, and other appurtenances required in this class of operations.

The Extracting Room is furnished with a Columbia operating chair, instrument cases, and gas outfit and all the apparatus necessary for anæsthesia.

The Oral Surgery Clinic Room is arranged to bring the largest possible number of students near enough to satisfactorily observe clinical operations.

The Main Lecture Hall is furnished with tablet opera chairs of the best type, and seats comfortably four hundred students. It is provided with curtains for darkening the room for illus-

trative electric lantern work, has movable blackboards and screen for lantern work, stationary blackboards on three sides, etc.

The Anatomical Laboratory is one of the most interesting rooms in the building.

The Prosthetic Technic Room is furnished with benches, drawers for instruments, and stools for two hundred and twenty-five students. An electric engine which runs a bank of grinding lathes, vulcanizing apparatus, a bank of wash-bowls with running water, plaster tables, a lecturer's desk, an office for dispensing material to students, receiving boxes for accepted work of students, complete the equipment.

The Operative Technic Room is furnished with seats for two hundred and twenty students, each provided with bench, vise, and drawer for instruments. In this room dental anatomy and the rudiments of operative dentistry are taught.

The Chemical Laboratory has benches and drawers, with complete outfit of chemicals, individual water and gas for ninety pupils at one time.

The General Prosthetic Laboratory is a large room, well lighted and furnished with benches, drawers and lockers for two hundred students at one time, and contains an electric motor and bank of grinding lathes, vulcanizing outfit and electric porcelain apparatus, an office for the distribution of material and the reception of completed work.

The Office of the Dean is a large room, and serves as the meeting place of the Faculty and demonstrators for instruction in the general work and the teaching methods of the school. It is furnished with cases in which much of the physical apparatus and illustrative material of the school is stored, and tables for their use by sections of students.

The Bacteriological Laboratory is furnished with apparatus for the preparation of culture media, thermostats and culture ovens, apparatus for staining and mounting micro-organisms, apparatus for testing the value of antiseptics, benches for practical instructive work, microscopes, electric lanterns, etc.

NEW EQUIPMENT.

Much new equipment has been added this year in new space on the third floor, comprising a lecture-room, a quiz-room, a lunch-room, a postoffice, a study and reading-room, a library, a museum.

The Histological and Histo-Pathological Laboratory is one of the best for its purpose in the building. It is lighted by seven large windows, and in addition has electric lights for each bench for use on dark days. The benches are all of hardwood, nicely finished, and are furnished with lockers for instruments and apparatus. It is provided with seventy microscopes and benches for seventy pupils at one time, though the sections are generally made much smaller. It is also furnished with numerous photographic illustrations of the tissues to be studied, electric lantern and screen with arrangements for dark-room illustrative work, and more than five hundred lantern slides, apparatus for section cutting, staining and mounting of sections, aquaria and live boxes for the continuous growth of confervæ, animalculæ, etc., for the illustration of cell-life and cell-function.

The Lecture-Room is well lighted and furnished with tablet opera chairs for the seating of two hundred and twenty-five pupils; blackboards, screen for electric lantern illustrative work, and anteroom for preparatory illustrative work.

The Quiz-Room is furnished with tablet opera chairs for one hundred and ten students. It has blackboard, screen for electric lantern illustrative work and other appurtenances for teaching.

A well equipped lunch-room is provided for students, and in this is a postoffice, with individual boxes and general delivery arrangements.

The Reading and Study Room will accommodate two hundred and fifty pupils at one time, it is well lighted on two sides, and furnished with tables and chairs. Divided from this only by a railing, is the new library, with librarian in constant attendance, comprising nearly all the dental literature, old and new, that is now obtainable, and also general works of reference.

The Museum of human and comparative dental anatomy contains specimens both of existing and extinct species of the mammals and reptiles at present obtainable; prepared skulls illustrating human dentition from birth to maturity; skulls of different races and wild tribes of men, ancient and modern; specimens of irregular and anomalous developments of the human teeth, etc. It is intended that this collection shall be constantly growing, and contributions are asked from alumni and dentists, especially in the way of anomalies in the teeth. Hundreds of valuable specimens of this character are lost every year, which, if sent to this museum, will be mounted, catalogued, and labeled with the donor's name. A history should accompany each specimen that it may be put on record.

METHODS OF INSTRUCTION.

Dental Technics.—Two special courses are given for manual training in the mechanical operations of dentistry, and a study of the anatomy and physical structure of the teeth.

Operative Technics.—In operative technics the practical study of dental anatomy occupies the first part of the course. In this the student is made familiar with dental nomenclature as it relates to the teeth directly, and with the anatomical forms of every part of each human tooth. Afterward, dissections of the teeth are made and the anatomical forms of the pulp-chambers and root-canals are studied. Then follows a short course of study of the forms of the cutting instruments used in the preparation of cavities in teeth. This includes the philosophy of instrument forms and their adaptation to their special work. Following this, exercises are introduced in the preparation of cavities in natural teeth and a study of cavity forms and cavity nomenclature. Students receive a drill in the use and care of instruments, instrument grasps and the adaptation of special instruments to specific purposes. The exercises in the use and adaptation of the various filling materials are introduced, together with exercises in filling root-canals. This course is intended to prepare the student

to begin intelligently his clinical work in operative dentistry. The course occupies two and one-half hours per day, three days a week, during the first year.

Prosthetic Technics—Syllabus.—Taking impressions of the mouth, and the practical use of all the ordinary materials employed for that purpose. The making and repairing of metal plates. Making of the simpler forms of shell crowns, followed by making of porcelain and band crowns for the anterior teeth, and porcelain-faced crowns for bicuspids and molars, carefully shaped to the forms of natural teeth, and the assembling of crowns to make bridges. The operations are taken up consecutively, and every student is required to perform each one acceptably before proceeding to the next.

General Anatomy, in charge of Professor Eckley, is begun in the first year and continued through the first and second years. The instruction is by recitations, quizzes, demonstrations, and lectures. The classes are subdivided into groups of twelve students. Each of these groups is under a competent quiz master, who conducts recitations on lessons previously assigned. In the museum there are dissected specimens for the use of students. In the anatomical laboratory students are required, during two years, to dissect the median half of the body.

Physiology will include two lectures per week during the first year, and one lecture per week during the second year, under the direction of Professor Wiggin.

Dental Histology.—During the course in dental histology, practical inferences, to be drawn from the study, will be duly emphasized.

Recent developments in the study of the enamel have shown that a knowledge of the histology of this important structure is fundamental to the greatest success as an operator. It will therefore receive special attention.

The dentine, dental pulp and mucous membrane of the mouth will receive due attention. The student will be made thoroughly familiar with the structure of the peridental membrane, the direction of its fibers upon various parts of the

tooth, and their mode of attachment and reattachment, blood and nerve supply. The periosteum and peridental membranes will be compared and differences shown.

Photomicrography and Lantern Slides.—This school is now well equipped with photomicrographs and lantern slides made mostly from our own objects for use in class-work illustrations in connection with microscopic work in histology and embryology. In operative dentistry, comparative anatomy, orthodontia, oral surgery and other departments of study, the fullest practical use is being made of this excellent means of illustrative teaching.

Comparative Dental Anatomy will consist of one lecture per week, followed by two hours in the museum, under Professor Dorsey. In the museum the class will be divided into convenient sections for the examination and study of specimens.

Chemistry.—The value to be derived from a good understanding of the science of chemistry as associated with dentistry cannot be overestimated. Elementary Chemistry, which continues throughout the first year, is taught entirely by lectures. These lectures are fully illustrated by experiments before the class. Particular attention is given to the metals and their ores, specimens of which are kept constantly before the class. In this course it is found most practicable to follow some standard text-book, the plan being to assign work in advance of the lectures, so that when the student enters the lecture he has some preparation on the subject under discussion. First-year students are required to attend two lectures a week.

Upon the opening of the second-year course the subject of Qualitative Analysis is taken up in the Chemical Laboratory, including abundant practice upon unknown mixtures and in the analysis of alloys, cement, teeth, etc.

Following this a thorough study of the various dental cements is made, including the testing cements for injurious quantities of arsenic.

The subject of alloys is next taken up, with particular

attention to those used in dentistry. More than two hundred alloys are made and examined, thus giving the student a thorough insight into the subject.

A course in solder-making is given, including the preparation of tin, gold, and silver solders. Gold and silver scraps are refined and used in making solders, or alloyed and rolled into plate.

Second-year students are required to spend three hours per week in the laboratory throughout the year.

Before entering the Chemical Laboratory each student is required to make a deposit of $5.00 to cover chemicals used, breakage, expenses and special printed directions furnished each student. It has been found by experience that the above deposit covers the average expenses of the student throughout the year. If, however, the student exceeds the deposit, he will be expected to pay the excess at the end of the course.

Materia Medica, studied in the second year, occupies one lecture per week under Professor Peck. It is a separate course from that given in the third year, and includes a description of drugs, classified in accordance with their therapeutic effects and uses. The poisonous properties of drugs and their antidotes will be given, together with their therapeutic doses, prescription writing, and their curative employment. Especial attention will be given to those drugs employed in dentistry, the descriptions of which will be very full and complete, giving the origin, modes of preparation, physical properties and special forms of preparation for use. The poisonous properties will be illustrated by experiments upon animals, as far as that is practicable, showing the special features of the poisonous effects of each and the manner of use and the results of the employment of antidotes.

There will also be a very brief course in the second year in Special Pathology and Therapeutics, giving the subject-matter in outline as a preparation for the more complete studies of the third year.

Special Pathology and Therapeutics will be presented in the third year by Professor Peck, in two lectures per week during the term.

Bacteriology will form an important part of the third-year course given by Professor Black. It will be presented especially in its relations to dental pathology and dental practice. The student will be familiarized with the general principles of the subject, with the nature of these growths, the place they occupy in nature, their physiological processes, how and where they grow, how they live, what they do, and how they produce disease. The difference between disease-producing and non-disease-producing organisms will be pointed out.

Orthodontia will be taught both didactically and clinically by Dr. McDowell. The didactic course will consist of one lecture per week through the first semester, in which the subject will be taken up systematically, proceeding from the normal occlusion to explain the abnormal arrangements and faulty occlusion of the teeth and of the irregular forms of the dental arch. These derangements of alignment of the teeth and the malforms of the dental arch will be so classified as materially to assist the student in an understanding of them, and the means and mechanical arrangements of fixtures to bring the several classes of irregularities into normal form, or to the best possible form in individual cases in which the true normal cannot be successfully reached.

Oral Surgery.—Professor Gilmer, assisted by Drs. Craig and Alice Stevens, will have charge of the department of Oral Surgery. One lecture per week and a clinic of one and a half to two hours per week will be given during the term. The course will embrace instruction in the general principles of surgery and their practical application to pathological conditions occurring about the mouth and face, giving special attention to diagnosis and recognition of conditions requiring surgical interference.

The whole clinical course will be an exemplification of aseptic and antiseptic surgery in its adaptation to, and uses in, the various phases of the surgical treatment of both accident and deliberate operative cases.

Anæsthesia will be presented in detail in lectures, experimentally upon animals and in clinical illustration, embracing

all of the agents used for the mitigation of pain. Nitrous oxide will be exhibited daily in the extracting clinic, and ether and chloroform in the surgical clinic.

Professional Ethics and Dental Jurisprudence will be presented by Professor Noyes, and will occupy one lecture per week during the first semester. It will consist of a brief statement of the more important principles of morals, followed by an exposition of the special duties and moral obligations of professional men in respect to their patients, toward their fellow practitioners, and toward the public, for the upholding of the honor and dignity of the profession.

The lectures on Jurisprudence will, in the main, follow the text-book by Dr. Rehfuss. It will include qualifications and duties of expert witnesses, the importance of dental records, etc., as a means of identification, the limitations of dental practice, the qualifications required, and the liabilities incurred by those who administer anæsthetics, the penalties that may be suffered, and the defense to be made in case of real, or supposed, malpractice, and the liability in case of infection from instruments. The requirements of the Illinois law and the laws of other states respecting the practice of dentistry, the steps necessary to become legal practitioners, the duties and liabilities of dentists with reference to the law, etc.

Operative Dentistry.—The senior course in operative dentistry will be given by Professor Black, assisted by Dr. Willard, in connection with the course in bacteriology. The didactic course will occupy two lectures for the greater part of the year. It will consist in a brief review of the work done in the junior year, in the preparation of cavities and other manipulative procedures, but more essentially in a study of dental caries, the conditions of susceptibility and immunity to caries, its modes of attack, the means of its prevention, and the management of filling operations for the prevention of its recurrence; the conditions under which extension of cavities for the prevention of the recurrence of caries should or should not be undertaken, the use of temporary fillings, especially for

children, and the conditions for permanent operations for children; the reasons for special methods in different classes of cases, and the general adaptation of operative procedures as curative and preventive measures, etc. It is intended that this shall be an advanced course in the general management of operative procedures, the foundation for which has been laid in the freshman and junior years.

PRACTICE IN THE INFIRMARY.

The Operative Infirmary Clinic is under the direct supervision of Professor Black. The student begins this work with the beginning of his junior year, and continues it to the end of the senior year, the time given to it being much greater in the senior year. It is the intention that this infirmary practice be as much like an actual dental practice as it is possible to make it. The development of the ability to obtain and hold a practice, or that professional comity between an operator and his patients essential to personal success, is regarded as parallel in its importance to the future of the student with the development of manipulative ability.

This practice, however, is, and must be, under the direction of the demonstrators in all of its details, from the primary examination upon the entrance of the patient to the clinic-room to its completion.

The demonstrating force will be assigned to sections of the clinic-room, and by a system of rotation each student will successively come under the direction of each demonstrator. The number of demonstrators will be ample to give a large amount of personal attention to each individual student in his section, consulting with him, directing his operations in detail and demonstrating points that may be new or difficult as they present themselves. This personal teaching is made a special feature of this school, and great attention is given by the management to the drill of the demonstrating force, in order that they may understand well their especial duties to the students and the methods of instruction adopted and main-

tained in the school, and that their direction and actions may be in harmony throughout their clinical teaching.

In this clinic, embracing several hundred patients per day, students have the opportunity to see and to study a wonderful variety of cases. They are made up of every variety of pathological condition, from the simplest deviation from the normal to the most grave conditions.

Summer Clinics.—The clinic-rooms will be open all the year for the benefit of students who may wish to have greater experience in clinical practice under competent supervision. The number of demonstrators during the summer will be ample for the class that may choose to remain with the school. The clinical material is abundant and a most excellent opportunity is afforded for clinical practice.

REQUIREMENTS FOR GRADUATION.

The degree of Doctor of Dental Surgery is conferred on such students as complete the course of instruction, having attended three courses of lectures and passed satisfactory examinations in all the subjects of study. To be admitted to the degree, the student must be twenty-one years of age, and possess a good moral character. He must have paid all fees in full.

The monthly reports of the quizzes and the infirmary practice of the students will bear very materially upon their standing at all examinations.

EXPENSES.

The fees are payable in advance.

FIRST YEAR.

Matriculation Fee	$ 5.00
General Ticket	100.00
Histological Laboratory Ticket	5.00
Dissecting Fee (1 part)	10.00

SECOND YEAR.

Matriculation Fee	$ 5.00
General Ticket	100.00
Histological Laboratory Ticket	5.00
Dissecting Fee (1 part)	10.00

THIRD YEAR.

Matriculation Fee	$ 5 00
General Ticket	100.00
Final Examination Fee	20.00

Where it is so desired, the tuition fee may be divided into two parts, but in such cases an additional fee of $5.00 will be charged. Where the fee is so divided, $65.00 must be paid on or before the 20th day of October, 1900, and $60.00 must be paid on or before the 20th day of January, 1901.

These conditions cannot be modified except upon the written consent of the proper officials of the University.

A fee of five dollars must be deposited to cover chemicals and breakage in Chemical Laboratory.

Good board and rooms convenient to the school can be obtained at prices varying from three dollars and a half to five dollars a week, according to the accommodations; also, vacant rooms, without board, furnished or unfurnished, can be obtained at from six dollars to ten dollars per month.

For further information and special circular relating to the Dental School, address Theodore Menges, D.D.S., corner Madison and Franklin Streets, Chicago, Illinois.

NORTHWESTERN UNIVERSITY.

WOMAN'S MEDICAL SCHOOL.

333 TO 339 S. LINCOLN STREET, CHICAGO.

FACULTY.

HENRY WADE ROGERS, LL.D., PRESIDENT OF THE UNIVERSITY.

MARIE JOSEPHA MERGLER, M.D., DEAN, *Professor of Clinical and Operative Gynecology.*

ISAAC NEWTON DANFORTH, A.M., M.D., DEAN *Emeritus, and Professor of Clinical Medicine at Wesley Hospital.*

DANIEL ROBERTS BROWER, A.M., M.D., L.L.D., *Professor of Diseases of the Nervous System.*

EUGENE SOLOMON TALBOT, M.D., D.D.S., *Professor of Oral Surgery.*

ELIZA HANNAH ROOT, M.D., *Professor of Obstetrics and Clinical Obstetrics.*

JOSEPH ZEISLER, M.D., *Professor of Dermatology.*

HENRY TRUMAN BYFORD, A.M., M.D., *Professor of Clinical Gynecology.*

RACHEL HICKEY CARR, M.D., *Professor of Operative Surgery.*

LEONARD LAWSHE SKELTON, A.M., M.D., *Professor of Physiology.*

MARY M. BARTELME, LL.B., *Professor of Medical Jurisprudence.*

ISAAC ARTHUR ABT, M.D., *Professor of Diseases of Children.*

KATHERINE LOUISE ANGELL, M.D., *Professor of Bacteriology.*

WILLIAM EVANS CASSELBERRY, M.D., *Professor of Laryngology and Climatology.*

RICHARD DEWEY, M.D., *Clinical Professor of Mental Diseases.*

ARTHUR ROBIN EDWARDS, A.M., M.D., *Professor of the Principles and Practice of Medicine, and Clinical Medicine.*

VERNON JAMES HALL, M.S., Ph.D., *Professor of Chemistry.*

ALICE HAMILTON, M.D., *Professor of Pathology and Director of the Histological and Pathological Laboratories.*

JAMES BRYAN HERRICK, A.B., M.D., *Professor of Clinical Medicine.*

OSCAR OLDBERG, Pharm.D., *Professor of Pharmacy.*

JOHN RIDLON, A.M., M.D., SECRETARY, *Professor of Orthopedic Surgery.*

WELLER VAN HOOK, A.B., M.D., *Professor of Surgery and Clinical Surgery.*

Christian Fenger, *Professor of Clinical Surgery.*
Bertha Van Hoosen, A.M., M.D., *Professor of Embryology.*
Frank Allport, M.D., *Professor of Ophthalmology and Otology.*
Corinne Buford Eckley, *Professor of Anatomy.*
Jean Mottram Cooke, M.D., *Assistant Professor of Pathology and Instructor in Histology.*
Elizabeth Trout, M.D., *Assistant Professor of Nervous Diseases.*
Josephine Estabrook Young, M.D., *Assistant Professor in Practical and Clinical Medicine.*
August F. Lemke, M.D., *Assistant Professor of Clinical Medicine.*
Volberg Sogn, M.D., *Assistant Professor in Gynecology.*
Frederick Cleveland Test, A.M., M.D., *Assistant Professor in Orthopedic Surgery.*
Helga Ruud, M.D., *Assistant Clinical Professor in Obstetrics.*
Rose Willard, M.D., *Assistant Professor in Gynecology.*
James Cornelius Gill, M.D., *Instructor in Diseases of the Nervous System.*
Emma Sigel, M.D., *Instructor in Venereal Diseases and Assistant in Dermatology.*
Sherman Harrison Champlin, M.D., *Instructor in Surgery.*
Annabel Cleveland Test, B.A., M.D., *Instructor in Physiology.*
George H. Shambaugh, A.M., M.D., *Instructor in Laryngology and Otology.*
Alice Lois Lindsay, M.D., *Clinical Assistant to the Chair of Nervous Diseases and Assistant Demonstrator of Anatomy.*
Elizabeth H. Dunn, A.M., M.D., *Clinical Assistant to the Chair of Nervous Diseases.*
Alice Conklin, M.D., *Clinical Assistant to the Chair of Nervous Diseases.*
Mary Dowiatt, M.D., *Clinical Assistant to the Chair of Dermatology.*
Stanley M. Suttles, M.D., *Assistant to the Chair of Clinical Medicine.*
May Michael, M.D., *Assistant in the Department of Diseases of Children.*
Jane M. Kelsey, M.D., *Assistant in the Department of Diseases of Children.*
Grace Osborne, M.D., *Lecturer on Hygiene and Clinical Assistant to the Chair of Medicine.*
Josephine Ayres Jackson, M.D., *Lecturer on Materia Medica.*

ADDITIONAL FACULTY FOR THE SUMMER TERM OF 1899.

Albert J. Ochsner, M.D., *Professor of Clinical Surgery.*
Albert Irving Bouffleur, M.D., *Professor of Clinical Surgery.*
Robert B. Preble, M.D., *Assistant Professor of Clinical Medicine.*

Edward A. Fischkin, M.D., *Assistant Professor of Clinical Dermatology.*
Charles F. Neiswonger, M.D., *Lecturer on Electro-Therapeutics.*
Isabella Coler Herb, M.D., *Instructor in Gynecology.*
J. Anna Norris, *Instructor in Physical Culture.*
Georgia Ruggles, M.D., *Clinical Instructor in Obstetrics.*
Carrie Hayward, M.D., *Clinical Assistant in Laryngology, Ophthalmology and Otology.*
Anna E. Blount, M.D., *Assistant in Clinical Medicine.*
Mary Gilruth McEwen, M.D., *Assistant in Clinical Gynecology.*

The Woman's Medical School was founded in 1870, under the name of the "Woman's Hospital Medical College." Afterward it was known as the "Woman's Medical College of Chicago." During the year 1892 it became a part of the University, to be known as "Northwestern University Woman's Medical School." It is conducted as a regular school of medicine for the education of women only. By the action of the University authorities the former graduates of the Woman's Medical College have been made alumnæ of the University.

Hereafter the school year will consist of four terms of twelve weeks each, commencing on July 1, October 1, January 1, and April 1. Students may enter at the beginning of any term, but time credit will not be given for more than three terms in any one year, and at least forty-five months must elapse from matriculation to graduation. Final examinations will be held at the end of each term and credit will be given for all work completed. The required work of each year must be completed before the student can advance to the work of the next year.

REQUIREMENTS FOR ADMISSION.

The number of regular students will be limited to one hundred; and so far as it is practicable these will be equally divided into four classes, preference being given to those passing the best examination.

Candidates for admission must give satisfactory evidence of a good English education before matriculating. Those with the degree of A.B. or S.B. from recognized colleges will

be admitted without examination. Candidates may present certificates from High Schools, Academies, or Teachers' Certificates, and, if satisfactory, such certificates will be accepted instead of examination; but in all cases such certificates must include a reasonable knowledge of Latin, Algebra, and Physics. Candidates without certificates will be required to pass an examination before a committee of the Faculty of the College of Liberal Arts of the University in the following branches:

1. *English Grammar*—(Whitney's Essentials of the English Language, or its equivalent).
   Composition—(Shaw, or an equivalent).
2. *Arithmetic* — (Wentworth, or an equivalent, including the Metric System).
3. *Elementary Algebra*—(Wentworth, or an equivalent).
4. *Physics* – (Gage).
5. *Latin*—(Collar or Daniells, First Latin Book, or an equivalent).

Candidates may be granted conditions in two of the following subjects: Algebra, Physics, and Latin, but not for longer than the Freshman year. Advantageous arrangements for instruction in conditioned subjects may be made with Professor J. C. South of the Lewis Institute.

ADVANCED STANDING.

Students who have taken the preparatory medical course in the College of Liberal Arts of the University, or an equivalent in any other University of acknowledged standing, will be admitted to the second year without examination. This preparatory course must include the number of hours and branches given in the following schedule:

General Biology,	100 hours.	Histology,	100 hours
Botany,	100 hours.	Physiology,	150 hours
General Chemistry (Inorganic),	200 hours.	Embryology,	50 hours
Physics,	75 hours.	Zoölogy,	50 hours

In addition to this, they will be required to take the Anatomy of the first year and Organic Chemistry.

Advanced Standing for Undergraduates from other Medical Colleges. — Students of recognized medical colleges in good

standing, who comply with the preliminary requirements of admission, and who present satisfactory certificates of having completed the work, and of having successfully passed the examinations in the first, second, or third course, may enter the succeeding year; but in case the certificates are not satisfactory, they must pass examinations in the branches of previous years before being promoted.

Candidates for advanced standing must present their credentials to the Secretary of the Faculty at least one week prior to the beginning of the term.

ADMISSION OF SPECIAL STUDENTS.

Those who desire a systematic and thorough knowledge of Anatomy, Physiology, Chemistry, or Microscopy as a qualification for teaching, or as a part of a liberal education, and who do not wish to pursue the regular curriculum with reference to graduation, are encouraged to take advantage of the facilities afforded in this school, and are permitted to take a special course without an entrance examination. If at any time they desire to pursue the full course, with a view to taking the degree, they will be required to pass the entrance examination. Special students will not be permitted to take up any study of the third and fourth years unless they have completed the work of the first and second years in some recognized medical school.

CURRICULUM OF STUDY.

Anatomy.—Freshman year, 6 hours each week recitations, dissections and demonstrations. Professor ECKLEY.

Sophomore year, 6 hours each week, recitations, dissections and demonstrations. Professor ECKLEY.

Instruction in Anatomy will be given by demonstration, classroom work and recitation.

The bone room is arranged for the special needs of the student in Osteology.

The Professor's private laboratory contains numerous prepared dissections of every region of the body for classroom illustration of anatomical areas.

The dissecting room is clean, comfortable and well equipped; the material is well embalmed and abundant; the corps of demonstrators is large, thus assuring the student personal attention on each area.

Chemistry.—The course in Chemistry is designed not only to teach the elements of the science, but also to illustrate those facts in Chemistry which have a direct bearing upon medicine.

The first year course consists of 6 hours per week in the laboratory, supplemented by quizzes and lectures. This course treats of General Chemistry, and includes an introduction into qualitative analysis.

Qualitative analysis is continued in the second year course, with practice upon unknown mixtures.

This is followed with a 4 weeks' course in Toxicology. Subjects in Sanitary Chemistry such as the analysis of milk, bread, and other foods are next taken up and continued for a period of 4 weeks.

The remainder of the year is spent in the study of Physiological Chemistry, including urine analysis.

Second year students spend 6 hours per week in laboratory work. A new chemical laboratory was completed in October, 1897. It is 50x30 feet in size, and in addition to the main laboratory, there is an office and storeroom. It is well ventilated with hoods or fume closets, and well lighted.

Table space of three feet is provided for each student, and fifty students can be accommodated at one time. In addition each table has two separate compartments, so that one hundred students can have individual lockers. Each table is supplied with gas, water, reagents, and all apparatus necessary to carry on the work.

Professor HALL.

Special Course.—Urine analysis and milk analysis, 4 hours each day, 4 days each week for September, 1899. Fee to special students, twenty dollars. Mrs. TUCKER.

Physiology.—For special students during the summer term of 1899, 1 hour each week lecture. Professor SKELTON.

Also, two half days each week during August and September, 1899, laboratory and recitations. Dr. TEST.

For regular students during the fall, winter and spring terms of the Freshman year, 2 hours each week lectures.

Professor SKELTON.

During the same period, 4 hours each week laboratory work, supplemented by quizzes and recitations. Dr. TEST.

During the Sophomore year, fall, winter and spring terms, 1 hour each week lecture. Professor SKELTON.

During the same period, 2 hours each week laboratory work, supplemented by quizzes and recitations. Dr. TEST.

A laboratory room is used by this department, supplied with lockers, tables, and the necessary apparatus, where the lectures are fully supplemented by demonstrations; at all of which the students assist, and many of which they perform for themselves, under the supervision of instructors.

The anatomy of the various body structures is set forth by means of dissections made before the class, and the functions demonstrated, both in a normal state and as affected by various drugs, severing of the nerve supplies, and electrical excitations.

Wherever possible, kymographic records are taken and preserved.

The students are required to observe a careful technique in the anæsthetizations and surgical features of the demonstrations.

In addition to the demonstrations, quizzes and recitations are given, for the purpose of emphasizing the points brought forth in the lectures and treating more fully of the mechanics of physiological processes. Further increases in the equipment are shortly to be made.

Pharmacy.—Freshman year, winter and spring terms, 2 hours each week. Professor OLDBERG.

Physics.—Freshman year, fall and winter terms, 2 hours each week. Professor OLDBERG.

Histology.—During the Freshman year, fall term 3 hours each week, winter term 2 hours each week, and spring term 3 hours each week laboratory work. Dr. COOKE.

Didactic lectures are given in conjunction with the Laboratory Course, the specimens studied during each period illustrating the subject of the lecture. The students stain and mount their own specimens and make drawings of all tissues and organs.

The course in Histology of the Nervous System is given in a series of lectures and demonstrations during the fall term, second year, 1 hour each week. Dr. GILL.

Embryology.—Freshman year, winter and spring terms, 4 hours each week lectures and laboratory work.
Professor VAN HOOSEN.

Materia Medica.—Sophomore year, fall and winter terms, 3 hours each week lectures and recitations. Dr. JACKSON.

Pathology.—Sophomore year, during fall, winter, and spring terms, 1 hour each week lecture, 4 hours each week laboratory work, 2 hours each week clinical pathology.
Professor HAMILTON.
Assistant Professor COOKE.

Junior year, during the fall and winter terms, 2 hours each week laboratory work; during spring term, clinical pathology, 2 hours each week. Professor HAMILTON.
Professor COOKE.

During Senior year, fall term, 2 hours each week laboratory work, optional. Professor HAMILTON.

The course in Pathology is a combination of didactic lectures and laboratory demonstrations. A course in lectures on general pathology is given to the second year students during the first six weeks, followed by a course in special pathology, which extends through the remainder of the year. This is accompanied by laboratory work and demonstrations. The third year students are required to work in the laboratory two hours a week, and each third year student is required to harden sections and stain specimens from an autopsy case, and to furnish a report of the clinical history, post-mortem, and pathological findings in the case.

Hygiene.—For special students during the summer term 1899, eight lectures on the hygienic principles in their application to the individual and the family. Dr. OSBORNE.

For regular students, Sophomore year, during the winter and spring terms, 16 lectures. Dr. OSBORNE.

Clinical Examination of Urine.—Sophomore year, fall and winter terms, 2 hours each week. Assistant Professor COOKE.

Bacteriology.—For special students during the summer term of 1899, lectures and laboratory work, included preparation of culture media, cultivation and study of the more common non-pathogenic and pathogenic bacteria, and thorough drill in the technique of bacteriological methods, 6 hours daily, August 1 to 30 inclusive; fee, twenty-five dollars.

For regular students, lectures and quizzes, including laboratory work, 4 hours three times a week. This is the regular required course in bacteriology. Professor ANGELL.

For regular students, Sophomore year, fall term, 12 hours each week laboratory for ten weeks; winter term, 1 hour lecture each week, and 12 hours each week laboratory for ten weeks.
Professor ANGELL.

The required work in bacteriology includes the preparation of culture media, cultivation and study of the more common non-pathogenic and pathogenic bacteria, and thorough drill in the technique of bacteriological methods.

An opportunity is also given during the spring term for students to do more advanced work and to study material of their own choosing. An optional course, 10 hours each week for six weeks, will be given twice during the term.

Practice of Medicine.—Clinical lectures, 2 hours each week, at Wesley Hospital. Professor DANFORTH.

Instruction in Internal Medicine as given by PROFESSOR EDWARDS. This course includes a clinic in the County Hospital from 8 to 10 Thursday mornings. In this clinic several cases are demonstrated at each clinic and the diseases covered not only from a clinical but also from the didactic standpoint. After the clinic the students are given opportunity to examine the patients individually and to identify the main points elaborated during the clinic.

Professor Edwards also gives a medical clinic on Monday mornings from 10 to 12 in the Cook County Hospital Amphitheater, in which clinic numerous cases are demonstrated rather than discussed theoretically, the students being given an opportunity to identify all of the points in the individual case. Thus, for example, opportunity is given to palpate the abdominal viscera, to note microscopical findings, to listen to heart murmurs, friction, rubs, etc., etc. This clinic is given with the help of ASSISTANT PROFESSOR LEMKE and is intended to supplement the work in physical diagnosis, the work being almost wholly objective.

ASSISTANT PROFESSOR YOUNG conducts recitations and lectures inm edicine and gives also instruction in physical diagnosis to the junior class, touching upon the theoretical points of physical diagnosis and then immediately illustrating the same with the demonstration of cases. This course covers the diagnosis of thoracic lesions and abdominal diseases particularly. It unites the features of a didactic and demonstrative course.

DR. BLOUNT demonstrates the clinical course of acute diseases at the bedside in Dr. Edwards' ward, covering the most important diseases and the demonstrations limited to classes of six.

In the work in internal medicine as outlined above it is believed that students receive more immediate personal instruction than given in any other medical school in the country. The material being so ample and the classes relatively small, the student is given an opportunity to reach the cases directly.

Nervous Diseases.—Junior and Senior years, fall, winter, and spring terms, 3 hours each week didactic and clinical lectures.
Professor BROWER.

Also during the Senior year, 1 hour each week recitations.
Assistant Professor TROUT.

Electrology and Physiology of Nervous System.—Junior year, winter term, 1 hour each week. Dr. GILL.

During the summer term of 1899 a course in Electro-Therapeutics was given at 9 A.M. Wednesdays. Professor NEISWONGER.

Diseases of Children.—Junior and Senior years, 2 hours each week didactic and clinical lectures. Professor ABT.

During the summer of 1899, clinics were held at the Judd Street Dispensary on Mondays and Fridays at 4 P.M., and at the Michael Reese Hospital on Saturdays at 4 P.M. Professor ABT.

1. In the didactic course, the physiology and hygiene, the diseases of the new-born, nutrition, infant-feeding, the diseases of special organs, and acute and chronic infectious diseases, are studied.

These lectures are given one hour weekly throughout the year.

2. The clinical lectures are conducted before the entire class. Students are in turn called upon to examine the patient and outline the treatment. The material is abundant, making it possible to demonstrate a large variety of cases.

3. Dispensary clinics are held daily throughout the year, and students have the opportunity to examine and treat patients under the supervision of the clinical instructors.

4. A Pediatric Journal Club and Seminar is offered as an optional course to a limited number of advanced students.

Medical Jurisprudence.—Senior year, winter and spring terms, 1 hour each week. Professor BARTELME.

Surgery.—During the entire Junior and Senior years, 2 hours each week clinical lecture at Cook County Hospital.

Professor VAN HOOK.

Junior year, fall, winter, and spring terms, 2 hours each week, senior year 1 hour each week, recitations. Dr. BESLEY.

During the winter and spring terms, 2 hours each week operative surgery, lecture and demonstration. Professor CARR.

During the entire year, 6 hours each week clinical surgery to the class in sections. Dr. CHAMPLIN.

During the summer term of 1899, clinics were held from 8 to 12 A.M. on Mondays, Wednesdays and Fridays at the Augustana Hospital. Professor OCHSNER.

Also on Wednesdays at 10 A.M. at the Norwegian Hospital.

Professor FENGER.

Also, students will be invited in sections to the Passavant Hospital. Professor FENGER.

Orthopedic Surgery.—During the entire Senior year, 1 hour each week clinical and didactic lectures. Professor RIDLON.

Assistant Professor TEST.

During the summer of 1899, clinics were held at the Northwestern University Medical School, Mondays at 11 A.M.; the Woman's Medical School on Wednesdays at 1 P.M.; and the Home for Destitute Crippled Children on Fridays at 2 P.M. Professor RIDLON.

Ophthalmology.—During the entire Senior year, 3 hours each week clinical and didactic lectures. Professor ALLPORT.

Otology.—During the entire Senior year, 1 hour each week clinical and didactic lecture. Professor ALLPORT.
Dr. SHAMBAUGH.

Laryngology.—Fall term, Senior year, 1 hour each week clinical and didactic lectures. Professor CASSELBERRY.

Oral Surgery.—Fall term, Senior year, 1 hour each week didactic lecture. Professor TALBOT.

Dermatology.—During the entire year, 2 hours each week didactic and clinical lectures, and quizzes. Professor ZEISLER.
Dr. SIGEL.

During the summer term of 1899, a course in Dermatology was given at the Judd Street Dispensary on Mondays at 11 A.M.
Assistant Professor FISCHKIN.

Obstetrics.—During the fall, winter, and spring terms of the Junior and Senior years, 2 hours each week didactic and quiz work, and two additional hours for the Seniors, clinic work on manikin.
Professor ROOT.
Assistant Professor RUUD.

The work of the Junior year is confined to normal obstetrics, and the Senior to operative obstetrics, diseases of the puerperum, and the new-born. In both the Junior and Senior classes the students are drilled on the Budin-Pinard manikin, with the normal fœtus inversions, use of the obstetrical forceps, etc.

During the summer term of 1899, 1 hour each week bedside instruction at the Woman's Hospital. Dr. RUGGLES.

Gynecology.—During the fall term to Juniors and Seniors, 2 hours each week didactic lectures; for Juniors, 3 hours each week recitations, during fall, winter, and spring terms; for Seniors, 1 hour each week operative gynecology at the Woman's Hospital.
Professor MERGLER.
Assistant Professor SOGN.

During the summer term of 1899, one course in operative gynecology during the month of September. Professor MERGLER.

Operative gynecology at the Woman's Hospital.
Professor BYFORD.

Diagnosis and treatment at College Dispensary 2 hours each week to sections of junior and senior class.
Professor WILLARD.

Bedside instruction at Cook County Hospital.
CLINICAL ASSISTANT MARY MCEWEN.

Gynecological Pathology.—A course on neoplasms, symptoms and treatment. Professor MERGLER.

A laboratory course. Professor HAMILTON.

NOTE.—For announcements relating to summer courses and clinics in 1900, see the special circular of the WOMAN'S MEDICAL SCHOOL.

CLINICAL INSTRUCTION IN THE COLLEGE BUILDINGS.

The Lincoln Street Dispensary.—In this dispensary patients are treated daily throughout the year. Students are admitted in small classes for instruction. The cases are classified according to their diseases, and assigned to the respective college clinics.

College Clinics.—These are conducted weekly throughout the year, and are exclusively for the benefit of the students of this school. It is the aim to make these clinics especially valuable in systematically illustrating the didactic instruction. They are as follows:

Monday at 3 o'clock. — Dermatology — Professor Joseph Zeisler. The various stages, phases, and degrees of the more common, as well as many of the more rare, acute and chronic diseases of the skin, are abundantly illustrated during the term by Professor Zeisler. The clinics also include a full course on venereal diseases and syphilis.

Tuesday at 10 o'clock. — Diseases of Children — Professor Isaac Arthur Abt. In the Pediatric clinic, most of the chronic diseases of children are studied. Special attention is directed in this department to infantile therapeutics.

Tuesday at 3 o'clock. — Gynecology — Professor Marie J. Mergler.

Junior and senior students are admitted in groups on Tuesdays and Saturdays to the gynecological department of the Lincoln Street Dispensary, where they may witness the examination and progressive treatment of a large number of patients.

The classes are instructed by competent assistants in the various methods of physical examination, and microscopical demonstrations will be made in connection with these lessons and the clinical lectures in suitable cases.

Unusual opportunities are afforded in operative gynecology, as will be seen in referring to hospital facilities.

Tuesdays at 5 o'clock and Fridays 10 a.m.—Professor Root's obstetrical clinic. Senior and Junior students in groups, most convenient for instruction, will be taught to make the diagnosis of pregnancy in various stages of gestation, exercises in pelvimetry, and exploration external for the diagnosis of position and presentation at full term, and practical work at the bedside of out-patients belonging to this clinic. Students will be expected to have not less than five cases before graduation.

Wednesday at 1 o'clock. — Orthopedic Surgery — Professor Ridlon. This hour will be devoted to clinical instruction in orthopedic surgery, supplemented by didactic lectures and recitations. Special attention will be given to the diagnosis and mechanical treatment of chronic joint diseases, chronic and progressive deformities, and congenital deformities.

Wednesday at 3:30 o'clock.—General Diseases—Professor Danforth. In this clinic special attention is given to the methods of diagnosis in daily use at the bedside by the practitioner. Patients are examined before the class, and students are given frequent opportunities to make examinations under the Professor's direction. Special cases are assigned to the care of various members of the Senior class.

Friday at 2 o'clock.—Diseases of the Eye and Ear—Professor Allport will give a clinic and lecture, and instruct students in the use of the instruments used in this special work.

Friday at 3 o'clock.—Diseases of the Nervous System—Professor Brower. In connection with this clinic, in which all the ordinary diseases of the nervous system are amply illustrated with respect to diagnosis and treatment, Professor Brower demonstrates the value of modern electro-therapeutics; and also makes free use of the stereopticon to elucidate the deeper and more minute pathological processes. The class is also taken, at intervals during the term, to institutions for the insane, to study the various phases of insanity and allied diseases.

Professor Van Hook, at his weekly clinics, gives especial attention to the diagnosis of surgical diseases as well as to operative technique. In his work at the Cook County Hospital, an especial effort will be made to have students of the Senior class make examinations and reach diagnoses for themselves. The pathological material obtained at the clinic will be studied by the class.

Saturday at 9 o'clock, First Term. — The Throat and Nose —Professor Casselberry. This hour is devoted to a lecture supplemented by clinical material in illustration. Students are made familiar with the laryngoscope and with the practical details of treatment, by individual practice in divided classes, in a collateral course.

Saturday from 2 to 4 o'clock.—Diseases of the Eye and Ear—Professor Allport will deliver a didactic lecture followed by a clinical lecture with practical demonstrations and operations on dispensary patients. The use of the ophthalmoscope and other instruments in ophthalmic and aural work will be demonstrated, together with practical illustrations on the varied forms of refractive errors and how the same may be properly corrected by glasses.

The Eye and Ear Department in the dispensary is open every day from 2 to 3 o'clock, and is principally under the charge of Dr. Hayward, instructor in ophthalmology and otology. Dr. Hayward will demonstrate eye and ear work in the dispensary, and will supplement such work during the term by lectures on the use of the ophthalmoscope, perimeter, etc., and upon errors of refraction and accommodation and the proper adjustment of glasses.

HOSPITALS AND OUT DEPARTMENTS.

The hospitals to which the students have access afford excellent facilities for clinical instruction.

Cook County Hospital is situated directly opposite the school. It is one of the largest and best equipped general hospitals in the country. It has medical, surgical, and obstetrical wards, and a clinical amphitheater with a seating capacity of six hundred. Clinical

lectures are delivered each week, embracing Surgery, Practical Medicine, Gynecology, Ophthalmology, and Otology. Professors Fenger, Edwards, Brower, and Herrick are members of this staff, and the students of the school are admitted on the same conditions as those of other colleges.

Professor Bouffleur will give a clinic in General Surgery every Saturday from 9 to 11 A.M. Professor Edwards will give a clinic in General Medicine Tuesdays and Fridays, 8 to 10 A.M. Besides the two clinics in internal medicine, given by Professor Edwards, the classes are admitted to his medical ward and given individual bedside instruction by Dr. Young. Professor Herrick will give a clinic in General Medicine Wednesday, 11 to 12. Professor Brower will give a clinic at 4 P.M. Fridays, in Nervous Diseases.

Among the advantages of this hospital are the opportunities for studying pathological anatomy, as well as the methods of making *post-mortem* examinations. Autopsies, with lectures and demonstrations are held every Wednesday at 8 o'clock A.M., by the Pathologist, Dr. Hektoen, in the Necropsy Theater.

The Woman's Hospital of Chicago.—This hospital, which has recently been remodeled, is one of the most completely equipped gynecological hospitals in the country. Important operations are performed every week by members of the staff. A limited number of the graduating class are admitted on each operating day. Professsors Mergler and Byford are on the staff. Professor Mergler's Dispensary Clinic, connected with this hospital, affords additional advantages, especially during the summer months.

The Wesley Hospital.—The Wesley Hospital has commenced work in temporary buildings, accommodating about thirty patients. Steps have already been taken looking to the erection of a hospital edifice containing not less than two hundred beds. The students of the Woman's School are invited in groups to all important operations. The following members of the Faculty are on the Medical Board: Professor Danforth, Physician; Professor Watkins and Professor Van Hoosen, Gynecologists; Professor Root, Obstetrician; Professor Van Hook, Surgeon; Professor Brower Neurologist; Professor Edwards, Pathologist; Professor Casselberry, Laryngologist.

Illinois Charitable Eye and Ear Infirmary.—The institution is easily accessible, and affords the best advantages for studying Ophthalmology and Otology.

The Detention Hospital.—Professor Dewey will give clinics at the Detention Hospital for the Insane.

Practical Obstetrics.—For further practical bedside work, more than is afforded by the College Clinic, the obstetrical depart-

ment of the Chicago Free Dispensary, in charge of Dr. Frances Horton Lee, will afford most excellent opportunity for the study of practical midwifery. Each student will be required to furnish the Professor of Obstetrics a clinical report on cases observed and taken in charge by the student. The work is required of Senior and Junior students only.

The Chicago Dispensary, 4640 Ashland Ave., co-operates with Professor Mergler's clinic in operative gynecology, and Dr. Marie White will invite students during the summer to the Out Department of her clinic and demonstrate interesting cases and instruct in diagnosis and treatment.

The Mary Thompson Hospital for Women and Children is situated within easy access of the school, and affords excellent clinical facilities in gynecology, obstetrics, and pediatrics. Professor Sarah Hackett Stevenson is a member of the staff.

Chicago Maternity Hospital.—Further facilities for clinical study in Obstetrics may be had at the Chicago Maternity Hospital. Professor Stevenson, president, and Mary Blanche White, M.D., Medical Superintendent. Waiting cases will be available for practical lessons in diagnosis, and those wishing to attend cases of labor can do so by applying to the superintendent.

REQUIREMENTS FOR GRADUATION.

To be admitted to the degree of Doctor of Medicine, a student must be twenty-one years of age, possess a good moral character, have studied medicine four full years, either under the direction of the Faculty, or a regular physician as a preceptor, and have attended at least four full courses of lectures in a recognized medical school, the last of which must have been in this institution.

To receive credit for any term of lectures, the student must have paid all fees and have complied with all the requirements of the college; she must have attended at least 80 per cent of the lectures, recitations and laboratory periods of that course.

Every candidate must undergo a full and satisfactory examination on each required branch included in the curriculum.

Note.—The student must notify the Secretary of the Faculty of her intention of becoming a candidate, pay all dues, and deposit the diploma fee with the Representative of the Business Agent of the University on or before April 15th.

HOSPITAL APPOINTMENTS.

Positions as internes or resident physicians in various hospitals are open to the graduates of the Woman's Medical School. These internes are selected by competitive examinations, or are appointed on account of high standing, and serve without pay for a term of from twelve to eighteen months. Members of the graduating class are eligible to examination and appointment in the Cook County Hospital, in which there are twelve vacancies annually. They are also eligible to appointment in the Illinois Eye and Ear Infirmary, which elects two or more internes and two or more externes annually. The Mary Thompson Hospital for Women and Children appoints three internes annually, and three alternates; the Woman's Hospital of Chicago, two internes and two alternates; the Wesley Hospital of Chicago, one interne and one alternate; the Temperance Hospital of Chicago, one interne; the Illinois Asylum for the Insane; the Benedictine Home, Des Moines, Iowa; the Industrial School for Girls, Mitchellville, Iowa; and the New England Hospital for Women, Boston, generally one from the graduating class.

HONORS.

The Ephraim McDowell Prize was awarded to Dr. Ethel Page Westwood, for the highest average in Gynecology. For highest general average attained, honorable mention to Drs. Caroline Hedger, Clara M. Greenough and Stella Gardner. The Lucy S. Ingals Prize Scholarship was conferred upon Clara M. Greenough and Susanne Orton.

SCHOLARSHIPS.

The following scholarships have been founded in connection with this school:

The Grace Chandler Scholarship.—The Woman's Presbyterian Board of Missions of the Northwest has established a perpetual scholarship for the education of medical missionaries. The money for this purpose was given by Mrs.

Chandler, of Detroit, Michigan. Beneficiaries must be under the care of above Board, and must comply with all the rules and regulations of the school, except the payment of fees.

NOTE.—Further information will be furnished on application to the Medical Committee of the Board, Room 48, McCormick Block, or to the Secretary of the Faculty.

The Emily W. N. Scofield Scholarships.—The Northwestern Branch of the Woman's Foreign Missionary Society of the Methodist Episcopal Church has established two perpetual scholarships for the education of medical missionaries. The money for this purpose was bequeathed by the late Mrs. Scofield, of Elgin, Illinois. Beneficiaries must be under the care of the Woman's Foreign Missionary Society of the Methodist Episcopal Church, and must comply with all the rules and regulations of the school, except the payment of fees.

For further information apply to Mrs. H. G. Jackson, 4524 Lake Avenue, or to the Secretary of the Faculty.

The Woman's Board of Missions of the Interior (of the Congregational Church) has also established a scholarship in this school for the education of medical missionaries. The money for this purpose was also bequeathed by Mrs. Scofield. The rules above stated also apply to this scholarship.

For further information, apply to Miss Wingate, 59 Dearborn Street, Chicago.

The Woman's Presbyterian Board of Missions of the Southwest has recently established a scholarship. The preceding rules govern students under this scholarship.

NOTE.—For information, address Medical Committee, 1107 Olive Street, St. Louis, Mo.

The Elizabeth Skelton-Danforth Memorial Scholarship.—Founded by Professor I. N. Danforth in memory of his deceased wife, and by him presented to the Woman's Foreign Missionary Society of the Methodist Episcopal Church, whereof the late Mrs. Danforth was a charter member and long connected with its officiary. It is intended as a fitting memorial of her devoted and efficient service in the medical education of women as a preparation for appointment to foreign mission

fields. While it is designed primarily for medical students who are preparing for foreign missionary work, the Woman's Foreign Missionary Society may, in default of missionary students, assign other applicants as beneficiaries. Students occupying this scholarship must comply with all the rules and regulations of the school, except those relating to the payment of fees. For further information, apply to Mrs. H. G. Jackson, 4524 Lake Avenue, Kenwood, Chicago, or to the Dean.

The Lucy S. Ingals Prize Scholarship.—This scholarship has been recently founded by Prof. E. Fletcher Ingals, for the purpose of encouraging original work in Medical Science and to promote higher medical education. It is conferred only upon students possessing the degree of Bachelor of Science or Bachelor of Arts, or a degree of equal rank, from some first-class college or university. It is conferred as a prize for excellent original work done in some branch pertaining to the Science of Medicine, providing that if the theses submitted, embodying the results of such original work, do not in the opinion of the Faculty merit a prize, then this scholarship may be conferred as two half-scholarships to a member of the second year and to a member of the third year class respectively, holding similar degrees, who shall attain the highest average in their medical studies for that year. Beneficiaries of this scholarship are entitled to all the privileges of the school accorded other students of similar stage of advancement, free of charge for the full scholarship, and for half the usual fees in case of half-scholarships.

EXPENSES.

Fees are payable *in advance*, and cannnot be refunded or transferred to another term. Fees for the year ending in June, 1900, are as follows:

Matriculation Fee.—Each student is required to pay at the time of first registration a matriculation fee of *five dollars.*

Annual Fee.—A fee of *one hundred dollars* is required annually, which entitles the student to admission to all the lectures, clinics, and laboratory work of the school. This fee must be

paid before any of the tickets for practical work can be taken out.

Laboratory Charges.—No charge will be made in the laboratories except the actual cost of materials used.

Diploma Fee.—A diploma fee of ten dollars will be required.

Special students, not in attendance upon the regular course, are required to matriculate (*five dollars*) and take out a ticket (*fifteen dollars*) for each branch they may select; and if at any time they desire to pursue the full course, with a view of taking the degree, the fees already paid, excepting the matriculation fees, will be credited on the general ticket.

Students will register and pay their fees to the Clerk, who will be at the School during business hours, and will give the Treasurer's receipt for the money. This receipt must be presented the Secretary of the Faculty, who will issue all tickets of the course.

ASSIGNMENT OF SEATS.

Students, after advancing *ten dollars* on the annual fee, are allowed to select seats in the lecture-rooms before the beginning of the term. Applications for seats should be made to the College Clerk.

For further information in regard to the Woman's Medical School, address Professor John Ridlon, M.D., Secretary, 103 State St., Chicago, Illinois.

THE SCHOOL OF MUSIC.

Music Hall, Evanston.

FACULTY.

Henry Wade Rogers, LL.D., President.

Peter Christian Lutkin, *Dean, Professor of Theory, Piano and Organ.*

Karleton Hackett, *Instructor of Voice Culture.*

Sarah Elizabeth Coe, *Instructor of Piano and Musical History.*

Harold Everard Knapp, *Instructor of Violin.*

Arne Oldberg, *Instructor of Piano.*

William Henry Knapp, *Instructor of Voice Culture.*

Hubbard William Harris, *Instructor of Piano and Theory.*

Walter Keller, *Instructor of Piano.*

Una Howell, *Instructor of Piano.*

Walter George Logan, *Instructor of Violin.*

Franz Wagner, *Instructor of Violoncello.*

William Zephaniah Cole, *Instructor of Flute.*

Charles Joseph King, *Instructor of Clarinet, Oboe, and Bassoon.*

John Quinn, *Instructor of Cornet and French Horn.*

Frank Lee Robertshaw, *Instructor in Sight-reading.*

The School of Music was established in 1895. It continues on a larger scale the work of what was formerly known as the Department of Music.

The School offers extensive courses in the practical and theoretical study of music, and is designed to fit students for the profession as composers, theorists, artists, teachers, or critics. It also makes provision for the study of music as a part of general culture or as an accomplishment.

The School now occupies its new quarters, immediately to the north of Woman's Hall, near the University Campus. This building was erected during the year 1897 for the especial needs of the music department, and is known as *Music*

Hall. It is substantially built of stone and brick, surmounted with a tile roofing and finished in Georgia pine.

The first floor contains the Dean's office, the business office, reception room, besides teaching and practice rooms. Additional classrooms are found on the second floor, together with a well-arranged concert-hall, seating three hundred and fifty. The hall is provided with a large stage, dressing-rooms, a grand piano, a two-manual pipe-organ with pedals, and is seated with opera-chairs. The practice-rooms are especially pleasant, being well lighted and heated.

Owing to the increased attendance the basement floor has been subdivided into eleven rooms, giving thirty rooms in all, exclusive of the concert-hall.

ADVANTAGES.

The advantages of music study in Evanston may be briefly summarized as follows:

Within the School—

1. A superior corps of Instructors, presenting the most approved European methods, combined with the best ideas of American educators.

2. A choral society of select voices, affording efficient drill in part-singing, and giving students the opportunity of familiarizing themselves with the standard oratorios, either as listeners or singers.

3. Drill in ensemble playing by means of duos, trios, quartettes, etc., for various combinations of instruments, and the analysis and study of chamber music and orchestral scores.

4. Improved and practical methods in teaching harmony, counterpoint, and musical form. The time devoted to these subjects is nearly double the amount ordinarily given in music schools. This is made possible by the fact that the students live in or near the school, while in large cities the students are dispersed over a great area, making frequent recitations an impossibility.

5. Chamber Music and other recitals by members of the

Faculty, presenting the best works of classical and modern masters.

6. In church music the opportunity of becoming familiar with the discipline and routine of one of the best chorus choirs.

7. Numerous recitals, concerts, lectures, etc., free to students.

Without the School—

1. The opportunity of taking one or more studies in any other department of the University at small expense.

2. Healthful and helpful surroundings to the physical, mental, and spiritual life.

3. Residence in a prohibition district, the charter of the University prohibiting the sale of intoxicating beverages within four miles of the seat of the University. This law is enforced and as a result the community is unusually free from immoral influences.

4. Freedom from the turmoil, distractions and temptations of a commercial city.

5. Accessibility to the artistic attractions found only in large centers of population.

REQUIREMENTS FOR ADMISSION.

The work of the School is divided into two parts—the Theoretical School and the Practical School. The former is intended for theorists and composers, and the requirements are a knowledge of the rudiments of music in regard to notation and rhythm, a reasonable familiarity with all major and minor keys, and the ability to play hymn-tunes on the piano or organ. The work is arranged in year courses and cannot be entered during the year unless the applicant for admission can pass an examination on the work already covered.

The Practical School includes the study of the piano, organ, voice, violin, or other orchestral instrument, and in connection therewith certain courses in the Theoretical School as hereinafter stated. Moderate attainments, representing on

an average one year's systematic training in singing, or two to three years' systematic training in instrumental music, are required to enter the Practical School. This preparation, when needed, is supplied in the most thorough and direct manner in the School of Music itself.

COURSES.

THEORETICAL SCHOOL.

The Theoretical School offers three courses as follows:

I. Certificate Course.
II. Diploma Course.
III. Advanced Course leading to a Degree.

The Certificate Course requires three years' work covering the studies outlined in the following schedule. The Diploma Course requires an additional year. The Advanced Course is only open to such students as can pass the final examinations in the Diploma Course with distinction, and who have evinced decided creative ability. The candidates are required to compose a work of considerable length for chorus and orchestra, introducing solos, five-part chorus writing, and contrapuntal treatment of the voices, such work to meet with the approval of the Faculty. It is further required that the candidates prove their knowledge of English, Mathematics, and German, French, or Italian.

NOTE.—For courses in music counting toward a degree in the College of Liberal Arts, see pp. 121-123. For other courses in the School of Music, see the special circular of that school.

PRACTICAL SCHOOL.

The Practical School presents three courses; viz.:

I. Certificate Course.
II. Graduating or Diploma Course.
III. Post-graduate Course.

The Certificate Course requires the first and second years' work in the Theoretical Course in full, together with sufficient proficiency in playing or singing to creditably perform a programme containing standard examples of classical and

modern compositions. A reasonable facility in sight-reading is expected, as well as a comprehensive knowledge of the technical and artistic principles involved in the particular branch chosen. In addition to the above, students of the piano and stringed instruments are required to take two terms of ensemble-playing, voice students two years of sight-reading and part-singing, and organ students two terms in modulating, transposing, and choir accompaniment. At the end of the first year each candidate for a certificate must appear before a faculty committee, and be guided by their decision as to a further continuance in this course.

The Diploma or Graduating Course is designed to fully equip students for professional work, and definite musical ability is an absolute essential. The candidate must have fulfilled the requirements for completing the Certificate Course with decided credit, and is again to appear before a faculty committee for examination. No student can enter this course without the sanction of the committee, or be graduated without its consent. Exacting technical routine, application of the finer principles of musical expression, study of the great masterpieces, and an additional year of theoretical study are among the requirements. Students of the piano and stringed instruments must take two more terms in ensemble-playing, voice students must be able to carry their part in unaccompanied quartette singing, and organ students have the ability to improvise on a given theme.

While each of the preceding courses are nominally of two years' duration, many students find it more convenient and advantageous to take them in three years. Candidates hoping to complete them in two years must be well prepared on entering, diligent, and possessed of more than ordinary ability.

The Post-graduate Course gives to students desirous of appearing as solo artists the opportunity of developing their gifts to the utmost.

DIPLOMAS AND CERTIFICATES.

Upon recommendation of the Faculty, diplomas will be given to students completing Course II in either the Theoretical or Practical School, and certificates to those completing Course I in either school. The fee for a diploma is $8.00; for a certificate, $5.00.

EXPENSES.

A matriculation fee of five dollars is charged all students entering the Certificate or Diploma Courses. It is paid but once. This fee is not charged to students who have registered at the College of Liberal Arts, or music students who take no theoretical work.

The tuition fee depends on the amount and character of the work taken, as indicated in the following schedule:

NOTE.—The school year is divided into two semesters of eighteen weeks each. Each semester is divided into two terms, making four terms of nine weeks each in the year.

PIANO.

(Two half-hour private lessons per week.)

	Per Term of 9 Weeks.
Prof. P. C. Lutkin,	$45 00
Mrs. S. E. Coe,	36 00
Arne Oldberg,	36 00
Mr. H. W. Harris,	27 00
Mr. Walter Keller,	18 00
Miss Una Howell,	18 00

SINGING.

(Two half-hour private lessons per week.)

Mr. Karleton Hackett,	$45 00
Mr. W. H. Knapp,	27 00

ORGAN.

(One-half hour private lesson per week.)

Prof. Lutkin,	$25 00
Mr. H. W. Harris,	15 00
Choir accompaniment, etc.	10 00

VIOLIN.

(Two half-hour lessons per week.)

Mr. H. E. Knapp,	$27 00
Mr. W. G. Logan,	18 00

VIOLONCELLO.

(Two half-hour lessons per week.)

Mr. Franz Wagner,	$27 00

ORCHESTRAL AND BAND INSTRUMENTS.

Two half-hour lessons per week,	$18 00
One half-hour lesson per week,	10 00

THEORETICAL COURSES.

To students in Practical School,	$ 5 00
Half course,	3 00
To students in Theoretical School only,	10 00
Half course,	6 00
Two half-hour private lessons per week,	$13 50 to 36 00
One half-hour private lesson per week,	7 50 to 20 00

ENSEMBLE CLASS.

(To students not registered for other work in the University.)

Per term,	$5 00

SIGHT-READING.

Per term,	$2 50

PRACTICE ROOMS WITH USE OF PIANO.

Each hour of daily practice per term,	$2 50

ORGAN PRACTICE.

Each hour of daily practice, including blowing, per term,	$10 00
Pedal piano,	5 00

NOTE.—Arrangements may be made for one lesson per week, in which case the charge will be one-half of the amount charged for two lessons per week, plus ten per cent.

A discount of twenty-five per cent is allowed to the immediate members of a minister's family. The Dean reserves the right to substitute for the two half-hour private lessons, one three-quarter hour lesson with him and one half-hour with an assistant.

Tuition is payable *strictly in advance* at the University office, 518 Davis Street. Checks may be drawn payable to Robert D. Sheppard, Treasurer and Business Agent of the University.

Lessons falling upon legal holidays, or missed through fault of student, are only made up at the convenience of teacher. No deductions will be made to pupils for absence from lessons. In cases of protracted illness, when due notice is given, the lessons missed will be transferred to a subsequent term or the loss divided with the student.

For further information and special circular relating to the School of Music, address Professor P. C. Lutkin, Dean, Evanston, Ill.

SCHOOLS OF THEOLOGY.

FACULTY OF GARRETT.

Rev. Charles Joseph Little, D.D., LL.D., *President, and Professor of Historical Theology.*

Rev. Charles Frederick Bradley, D.D., *Professor of New Testament Exegesis.*

Rev. Milton Spenser Terry, D.D., LL.D., *Professor of Christian Doctrine.*

Rev. Charles Horswell, B.D., Ph.D., *Professor of the Hebrew Language and Literature.*

Rev. Solon Cary Bronson, D.D., *Professor of Practical Theology.*

Rev. Charles Macaulay Stuart, D.D., *Professor of Sacred Rhetoric.*

Rev. Doremus Almy Hayes, S.T.B., Ph.D., *Professor of the English Bible.*

Robert McLean Cumnock, A.M., *Professor of Rhetoric and Elocution.*

William Caldwell, Sc.D., *Lecturer on Social Philosophy.*

Joseph Wesley Zaring, B.D., *Instructor in Greek, and Assistant Librarian.*

The Garrett Biblical Institute has been in operation since 1856. It is open to all young men from any evangelical church who are proper persons to study in preparation for the Christian Ministry. It was established especially as a seminary where young men of this class from the Methodist Episcopal Church might be educated. It is supported by income from property in the city of Chicago, bequeathed in 1853, as a perpetual foundation, by Mrs. Eliza Garrett. It invites to its care and instruction young men in the Church whom God has called to be His ministers.

REQUIREMENTS FOR ADMISSION.

Students not licensed to preach are received on the recommendation of their respective quarterly conferences, or tem-

porarily, in failure of this, on a note from their pastor, promising the recommendation in due time. The form of recommendation authorized by the General Conference of the Methodist Episcopal Church is as follows:

"We, the members of the Quarterly Conference of----------
----------hereby express our judgment that----------is called of God to the work of the ministry, and we recommend him to the care and instruction of the Garrett Biblical Institute."

Applicants from other churches will need to bring such certificates as are usually given by the denominations to which they belong. Students from other Theological Seminaries may be admitted *ad eundem* on presenting satisfactory testimonials of equivalent work and honorable dismission.

INSTRUCTION.

Those who enter the courses of instruction should have a thorough preparation. The College of Liberal Arts offers its advantages to those who require this preparation.

The aim is to embrace all departments of Theological Encyclopedia, as indicated in the following scheme:

A. EXEGETICAL THEOLOGY.

1. *Biblical Philology*—Hebrew and Greek Languages, and their cognates.

2. *Biblical Introduction*—Canonics, Criticism (Higher and Lower), Sacred Literature.

3. *Biblical Archæology*—Chronology, Ethnology, Geography, Antiquities.

4. *Hermeneutics*—(1) *General:* Study of Words, Grammatical Forms, Styles, etc. (2) *Special:* Study of Figurative Language, Parables, Allegories, Types, Symbols, Prophecy, Apocalyptics.

5. *Exegesis*—Critical and expository study of the several books of the Bible.

6. *Biblical Theology*—Development of Biblical Doctrine as distinct from Historical and Systematic Theology.

B. HISTORICAL THEOLOGY.

1. *Sources*—Canonical and Apocryphal books of the Bible, Pseudepigraphal books, sacred books of all nations, Archæological Monuments, Patristics, Symbolics, Liturgics, and Hymnology.

2. *External Development of the Kingdom of God*—Pre-Christian History of Israel and the Nations. Patriarchal period, Mosaic, Priestly, Regal, and Prophetic development, and Post-exilian Judaism, life and work of Christ, the Apostolic Age, and ancient, mediæval, and modern periods of the Christian Church.

3. *Internal Development*—Religious life and thought of the Church, progress of the same through the centuries, History of Doctrines, Comparative Religion and Theology, and Sociology.

C. SYSTEMATIC THEOLOGY.

1. *Metaphysics*—Psychology, Ontology.

2. *Apologetics*—Evidences and Defenses of Revelation.

3. *Dogmatics*—Doctrine of God and Christology, Anthropology, Soteriology, Eschatology.

4. *Polemics*—The great issue of Theological Controversy.

5. *Irenics*—Methods of Conciliating Theological Differences.

6. *Ethics*—Theoretical, Practical.

D. PRACTICAL THEOLOGY.

1. *The Ministry as an Institution*—Its Call, Functions, Qualifications, Preparation, Maintenance, Perils, Safeguards.

2. *Homiletics*—History, Science and Art of Preaching, Praxis, Homiletical Study of Great Preachers.

3. *Liturgics*—Forms of Worship, Conduct of Services, Administration of the Sacraments.

4. *Ecclesiastical Polity and Law*—Forms of Church Government, Judicial Administration, Discipline.

5. *Pastoral Theology*—(1) *Catechetics:* Training of Children and Probationers, Educational Functions of the Church, Sunday-schools, etc. (2) *Poimenics:* Pastoral Care, Shepherding the Flock, Details of the Pastoral Office. (3) *Church Activities:* Adaptation of the Machinery of the Church to Existing Needs, Benevolent Work and Social Life of the Church, Employment of Lay Agencies, Study of Other Religious Institutions in Their Relations to Our Own.

6. *Halieutics* — Evangelistic Methods, the Work of extending the Kingdom within the Christian Community, Missions—Domestic and Foreign.

COURSES OF STUDY.

Two courses of study are offered, as shown in the schedule below:

I. DEGREE COURSES.

There are two Degree Courses: one leading to the degree of B.D., the other to the degree of Ph.D.

1. *The B.D. Course.*—This is a three years' course arranged for classical graduates of approved colleges. Applicants, upon registration, are required to present their diplomas. Students, not graduates of colleges, may be admitted to this course, if, by examination not later than the close of the first term, they satisfy the Faculty of their classical and literary fitness to complete it. The degree of Bachelor of Divinity is conferred upon all who complete the course to the satisfaction of the Faculty.

2. *The Ph.D. Course.*—By an arrangement with the College of Liberal Arts of this University, the Institute is now able to offer to college graduates a resident course of study leading to the Degree of Doctor of Philosophy. Students are admitted to this course upon terms stated on p. 150.

Of the four years required as a *minimum* for the degree of Ph.D., three at least must be spent in residence at a theological school of high standing, and the last two at Garrett Biblical Institute.

II. DIPLOMA COURSES.

1. *The Greek and Hebrew Course.*—This course is intended for those who desire to read and understand the Scriptures in the original, and yet are not prepared to do the work of the Degree Course. Greek is taught during three years, beginning with the elements. Hebrew is taught during the second and third year, beginning with the elements. The Greek class in exegesis read the Synoptic Gospels and the Acts in the Senior year. The Hebrew class read the poetical books of the Old Testament. In the other departments the work of this course is nearly the same as that of the Degree students.

2. *The Greek English Course.*—In this course English exegesis is substituted for Hebrew. It is in other respects the same as the Greek and Hebrew Course.

3. *The English Course.*—In this course training in the English Language, in Rhetoric, Logic, and Psychology takes the place of the study of elementary Greek and Hebrew, and English exegesis of the Scriptures is given instead of the study of the poetical books in Hebrew and of the Synoptic Gospels

and Acts in Greek. The characteristic work of this course is in charge of Professors Stuart and Hayes, who have been selected by the trustees as men exceptionally fitted for the task. In the departments of Systematic, Historical, and Practical Theology, Elocution, and Sociology, the studies of the English Course are the same as in other diploma courses.

Students who complete either of these courses receive the diploma of the Institute. Three years are required for any one of them. Applicants for admission must present certificates from approved high schools or academies, otherwise they must pass a satisfactory examination in the studies prescribed by the Bishops for those who seek admission to an annual conference. [See Discipline, 1896, page 369.]

College Graduates enjoy here exceptional advantages. In several departments, conspicuously in the Exegetical and Historical, they are formed into separate classes. They are encouraged and helped to special investigation, and receive from their professors continued personal attention in their chosen line of study. They have access, also, by the courtesy of the University, to any classes of the College of Liberal Arts for which they have time and aptitude.

Diploma Students are accorded the largest privilege of election. They may devote their energies to the studies for which they are best adapted, assured that in either of the three Diploma Courses they will receive thorough instruction, be held firmly to high standards, and be trained carefully for the work of the ministry.

METHOD OF INSTRUCTION.

The method of instruction is by recitation and lectures and free discussion. Members of the Senior class are required to preach in turn before the Faculty and students of the Institute.

Great emphasis is laid upon instruction in elocution. Hence a course of training extending through three years is required of those who graduate. It is confidently proposed

that every student who completes this work shall acquire a correct, forcible, and graceful elocution.

In addition to the instruction by recitation, lectures, and free discussions in the classrooms, public lectures and addresses by distinguished persons are also given before the Faculty and students, covering all the topics which relate to the work of Christian scholars and pastors.

LIBRARIES.

The number of volumes in the Institute and University Libraries—the one for daily working use and the other for free reference—is about fifty thousand.

Reading-rooms are connected with both, and supplied with the important dailies, weeklies, monthlies, and quarterlies in general and theological literature.

LITERARY SOCIETIES.

The Literary Department of the Institute Christian Association aims to stimulate theological and literary studies by exercises in composition, criticism, and extemporaneous speaking.

The Missionary Department of the Institute Christian Association seeks, by its weekly meetings and by occasional public meetings and lectures by returned missionaries and others, to promote information on Home and Foreign Missions, and to keep alive the missionary spirit among the students.

BUILDINGS.

Heck Hall.—The rooms in Heck Hall are in suites, consisting of study, bed-room, and wardrobe, and are furnished with tables, book-cases, bureaus, stands, chairs, bedsteads, and mattresses. Students supply their own pillows, pillow-cases, sheets, bed-coverings, towels, crockery, and small articles.

Memorial Hall.—The Memorial Hall contains a large chapel, library, and reading-room, six lecture-rooms, with private rooms for professors, and a fire-proof vault for valuable books and papers. Both halls are heated by steam.

FINANCIAL AID.

Young men who have learned to earn and save money often work their way unaided through college and the theological school. The means of self-help in and around Evanston are but casual; yet a truly earnest and persevering student, with tact and helpfulness, many times finds, and even creates, opportunities for himself. To these help is rendered as far as practicable. Some sixty or seventy appointments have been made available to competent preachers among the students. Circumstances require that promises of aid be made with caution, and to the extent only of the ability to meet them. The institution covets consecrated young men who never quail in the presence of difficulties, and in every practical and useful way its aim is to aid them. The Board of Education of the Methodist Episcopal Church, located at New York, renders very efficient help by its judicious system of loans.

The Sarah Stewart Fund, yielding four hundred dollars a year, is for the benefit of approved candidates for missionary fields.

EXPENSES.

Tuition and room-rent are free of charge to regularly entered theological students. When occupying a room in Heck Hall, each student is charged an incidental fee of twenty dollars, payable half-yearly in advance, for curator's service, fuel for public rooms, and general repairs. When not occupants of Heck Hall, students pay (half-yearly in advance) a fee of five dollars a year.

NOTE.—Rooms in Heck Hall not occupied by regularly entered theological students can be used (subject to rules for conduct and residence) by students recommended for the ministry, who are connected with any of the departments of the University, and who intend to take the theological course in this institution, on condition that each occupant of a room pay thirty dollars a year, half-yearly in advance.

NORWEGIAN-DANISH THEOLOGICAL DEPARTMENT.

A close relation has been established between Garrett Biblical Institute and the Norwegian-Danish Theological School, located at Evanston, under the principalship of the Rev. Nels E. Simonsen, A.M., D.D. By this arrangement the students of the Norwegian-Danish Department may take the entire course of study of the Institute, substituting instruction in one or more branches in their own tongue under Principal Simonsen. Upon the satisfactory completion of the course thus pursued, they will be graduated from the Institute. This department is established to prepare men for the ministry among the Norwegian and Danish people, and offers its students an opportunity to pursue their theological studies in the English, and Norwegian and Danish languages. The course of study extends through three years. Oral and written examinations are held at the close of each year, and those who complete the entire course in the Norwegian-Danish language are granted a certificate. Students are received on the recommendation of their respective conferences. A commodious and substantial building, containing dormitories and a dining-hall, has been erected by the Norwegian and Danish people for the use of students of this department.

SWEDISH THEOLOGICAL SEMINARY.

Rev. Albert Ericson, A.M., *President.*

This school of theology began its work in 1870 at Galesburg, Ill. In 1882 it attained a permanent home in Evanston, Ill., where it is now established in a commodious building, and where facilities exist for obtaining access to the different departments of the University. It is under the supervision of the three Swedish Conferences in the Northwest.

It is the only school of its kind in the Methodist Episcopal Church, and from its ranks of students preachers are sent out to nearly every State in the Union. More than one hundred ministers have been educated in the school since its

beginning, and are laboring faithfully in different parts of the country.

The aim of this school is to do practical work in helping men toward success in the ministry. It was called into existence to meet the urgent and increasing demands for educated pastors and missionaries among the Swedish population in the United States, which numbers more than a million souls. Its course of study is broad and practical; its ideals are high; its work is thorough; its methods are systematic, clear, and simple.

The Seminary is supported by the income from an educational fund, collected mainly among the Swedish Methodist churches in the Northwest.

The regular course of study in the seminary requires four years. The students' progress in their studies is determined by examination, both written and oral; and after a satisfactory completion of the full course they receive the Seminary diploma. There is no charge for tuition.

Students are received on the recommendation of their respective Quarterly Conferences.

For further information and special circular relating to the Garrett Biblical Institute, address Charles J. Little, D.D., LL.D., Evanston, Ill.

Those desiring information respecting the Norwegian-Danish Department should address Rev. Nels E. Simonsen, D.D., Evanston, Ill.

Those desiring information respecting the Swedish Theological Seminary should address Rev. Albert Ericson, A.M., Evanston, Ill.

CATALOGUE OF STUDENTS

FOR

THE YEAR 1899-1900.

COLLEGE OF LIBERAL ARTS.

FELLOWS.

Busse, Paul Gustav, Adolf, *German*, *Chicago.*
A.B., Northwestern University, 1899.

Kellogg, Olin Clay, *English Language*, *New Woodstock, N. Y.*
A.B., Syracuse University, 1892; A.M., Syracuse University, 1893; Ph.D., Syracuse University, 1894.

Neiglick, Anna, *Zoölogy*, *Chicago.*
B.S., Northwestern University, 1895; M.S., Northwestern University, 1896.

Thorne, Clarence Manly, *Mathematics*, *Onarga.*
B.S., Northwestern University, 1899.

CANDIDATES FOR ADVANCED DEGREES, AND OTHER RESIDENT GRADUATES.

Adams, Paul Milford, *Zoölogy*, *Alden.*
A.B., Northwestern University, 1899.

Aderhold, Thomas Maze, *Pathology*, *Valley Falls, Kan.*
B.S., Washburn College, 1896.

Atchison, Hugh Dowling, *History*, *Wilmette.*
A.B., Northwestern University, 1887; B.D., Garrett Biblical Institute, 1890.

Baker, Emma, *German*, *Indianola, Ia.*
A.B., Simpson College, 1891.

Chase, Jane, *English Literature*, *Chicago.*
B.L.. Northwestern University, 1899.

Cook, Irene, *History*, *Evanston.*
Ph.B., University of Chicago, 1899.

De Bra, Harvey Rufus, *Social Philosophy*, *Evanston.*
A.B., Northwestern University, 1898.

Empey, Frank DeHaven, *Philosophy*, *Sioux City, Ia.*
A.B,, Morningside College, 1896.

Engstrom, Ebenezer Washington, *English Language*, *Evanston.*
A.B., Northwestern University, 1898.

Fancher, Edith Cora, *German*, *Chicago.*
Ph.B., Cornell College, 1897.

Flickinger, Roy Caston, *Greek*, *Chicago.*
A.B., Northwestern University, 1899.

Folsom, Arthur James, *History*, *Danville, Ont.*
Ph.B., Cornell College, 1898.

Foote, Ethelwyn, *Zoölogy*, *Pasadena, Cal.*
A.B., Smith College, 1897.

Gates, Dana Lewis, *Zoölogy*, *Lena.*
B.S., Northwestern University, 1897; M.S., Northwestern University, 1898.

Gloss, Samuel Debenham, *Chemistry*, *Evanston.*
B.S., Northwestern University, 1897.

Hall, Eliza Platt, *English Language*, *Chicago.*
B.S., Northwestern University, 1899.

Kurtz, Charles J., *Bacteriology*, *Genesee, Mich.*
A.B., Kalamazoo College, 1894.

Little, Helen Marina, *Greek*, *Evanston.*
A.B., Woman's College, 1899.

Minear, Augustus Clay, *Mathematics*, *Kilbourn, Ia.*
A.B., Iowa Wesleyan University, 1898.

Monk, Alice Maude, *Social Philosophy*, *Chicago.*
Ph.B., Northwestern University, 1898.

Myers, William Edward, *German*, *Springfield, O.*
A.B., Northwestern University, 1899.

Nash, Walter Dudley, *Political Economy*, *Rockford.*
B.L., Wheaton College, 1899.

Nesmith, George Taylor, *Moral and Social Philosophy*, *Capron.*
A.B., Northwestern University, 1899.

Odgers, Joseph Hastie, *Philosophy*, *Chicago.*
A.B., Northwestern University, 1890.

Remington, James Elvon, *Chemistry*, *South Whitley, Ind.*
B.S., Northwestern University, 1899.

Serl, Elmer Willis, *Philosophy*, *Delavan, Wis.*
B.L., University of Wisconsin, 1897.

Silverthorne, Caroline Sarah, *English Literature*, *Wausau, Wis.*
Ph.B., Lawrence University, 1898.

Smith, George John, *History*, *San Jose.*
B.S., Iowa Wesleyan University, 1898.

Swarthout, Ethel May, *Moral and Social Philosophy*, *Evanston.*
A.B., Northwestern University, 1899.

Swezey, Otto Herman, *Zoölogy*, *Rockford.*
A.B., Lake Forest University, 1896; M.S., Northwestern University, 1897.

Wright, Cyrus Ames, *English Literature*, *Evanston.*
A.B., Northwestern University, 1899.

Yoshizaki, Enos Hikoichi, *Philosophy*, *Hirosaki, Japan.*
A.B., University of the Pacific, 1895.

Zaring, Joseph Wesley, *Hebrew*, *Evanston.*
B.S., Whitman College, 1893; B.D., Garrett Biblical Institute, 1897.

NON-RESIDENT GRADUATES.

Aylesworth, William Wild, *History*, A.B., Northwestern University, 1894.	*Kinderhook, Mich.*
McHarg, Mary King, *French*, Ph.B., Northwestern University, 1897.	*Chicago.*
Noyes, Lizzie Browning, *History*, B.L., Northwestern University, 1889.	*Evanston.*
Potter, James, *Philosophy*, A.B., Northwestern University, 1895.	*Mt. Vernon, Mo.*
Walker, Joseph Little, *Philosophy*, A.B., Northwestern University, 1893.	*Chicago.*

CANDIDATES FOR A BACHELOR'S DEGREE.

Allen, Elsie Dodd,	B.S.	102	*Gilman.*
Allyn, Earle Kinsell,	B.S.		*Mt. Ayr, Ia.*
Anderson, Axel Walfrid,	B.S.	24	*Evanston.*
Anderson, Jennie Matilda,	Ph.B.	65	*Evanston.*
Ashby, Winifred Mayer,	B.S.		*Chicago.*
Baird, Malcolm Heston,	A.B.		*Evanston.*
Baker, Adaline Maitland,	B.L.	48	*Evanston.*
Baker, Bessie,	B.S.	108	*Carthage, Mo.*
Baker, Helen Mary,	B.S.	79	*Manhattan.*
Baker, Horace Singer,	B.S.	90	*Evanston.*
Baker, John Clark,	A.B.	56	*Springfield, Mo.*
Ball, Nellie,	B.L.	9	*Moline.*
Balmer, Edwin,	A.B.	19	*Chicago.*
Bangs, Hal Crumpton,	A.B.	76	*Chatsworth.*
Barber, Nettie Irene,	B.L.		*Chicago.*
Bates, Ethel May,	B.L.	110	*Evanston.*
Beamer, Muriel Adelaide,	Ph.B.		*Hailey, Idaho.*
Beardslee, Sadie,	Ph.B.		*Prophetstown.*
Bellamy, Wiley Orlando,	Ph.B.	112	*Knoxville, Ia.*
Bellows, Mary,	B.L.		*Marryville Mo.*
Benedict, Anna Lucinda,	B.S.		*Waukegan.*
Benedict, Aura McEwen,	B.S.		*Shelby, Ia.*
Benham, Alice Marie,	B.S.		*Rockford.*
Benn, Hester Eliza,	Ph.B.	83	*Woodburn, Ia.*
Bennett, Margaret Grace,	B.L.		*Moline.*
Bennett, Roger Scoville,	B.S.		*Evanston.*
Berkey, Lulu Belle,	Ph.B.	103	*Grand Rapids, Mich.*
Blades, Ansley Baker,	A.B.	98	*Evanston.*
Blair, Ellwood Verne,	B.S.		*Charleston.*
Blake, Wallace Herbert,	B.L.		*Evanston.*

Bond, Dora,	Ph.B.		*Evanston.*
Booth, Reuben Fletcher,	Ph.B.		*Evanston.*
Booth, William Claude,	A.B.		*Gardiner.*
Bovey, Richard Clute,	B.S.		*Dixon.*
Bragdon, Elizabeth,	Ph.B.	111	*Evanston.*
Brandt, Eddy Sanford,	B.S.		*Chicago.*
Breeden, Roscoe D.,	B.S.		*Charleston.*
Brewrink, John Edward,	Ph.B.		*Blanchard, Ia.*
Briggs, Ernest Frank,	B.S.		*Delta, O.*
Briggs, George Weston,	Ph.B.		*North Branch, Mich.*
Bronson, Edna Myrene,	A.B.	47	*Evanston.*
Brown, Arlo Ayres,	A.B.		*Kewanee.*
Brown, Harry Hamilton,	B.S.	16	*Chicago.*
Brown, Irwin Ritchie,	B.S.		*Lebanon, Ind.*
Brown, Mabel,	B.L.	105	*Chicago.*
Brown, Mary Norton,	B.S.	11	*Evanston.*
Bryant, Nettie Ladora,	Ph.B.	105	*Hebron, Ind.*
Bunt, Richard Wheeler,	A.B.		*Platteville, Wis.*
Burchard, Ernest Francis,	B.S.	108	*Evanston.*
Burke, Harold Webster,	A.B.		*Chicago.*
Burr, Sarah Elizabeth,	Ph.B.		*Grand Forks, N. D.*
Bussey, William Henry,	A.B.	107	*Evanston.*
Campbell, Alice,	B.L.		*Chicago.*
Campbell, Arthur William,	Ph.B.		*Coal City.*
Campbell, Ira Robert,	Ph.B.	71	*Durand.*
Campbell, Robert James,	A.B.		*Wichita, Kas.*
Campbell, William Thomas Benton,	B.S.	59	*Durand.*
Capron, Albert Snowden,	B.S.	98	*Winnetka.*
Carlson, Alma Sophia,	Ph.B.	35	*Evanston.*
Carman, Gertrude Marie,	Ph.B.		*Waukegan.*
Carney, Mary Agnes,	Ph.B.		*Mankato, Minn.*
Carter, Helen Mary,	B.L.		*Waukegan.*
Cater, George Henry,	B.S.	48	*Libertyville.*
Catlin, Annie Lyman,	B.L.		*Waterloo, Ia.*
Chaddock, DeClifford,	B.S.	90	*Polo.*
Chappell, Gertrude Leone,	A.B.	100	*Chicago.*
Chappell, Winnie Leola,	Ph.B.		*Chicago.*
Clarkson, Mabel Lucille,	B.L.		*Sterling.*
Cleaver, Nina Josephine,	B.L.		*Princeton, Ind.*
Clemens, Ellen Fatima,	Ph.B.	12	*West McHenry.*
Clements, Louis,	Ph.B.	42	*Danville.*
Clements, Robert,	B.S.		*Danville.*
Coffman, Ansel Victor,	Ph.B.		*Elkhart, Ind.*

Cohn, Sadie.	B.L.		*Beloit, Wis.*
Colburn, Avery Reeves,	B.S.		*Highland Park.*
Cole, Maynard Copeland,	B.S.	108	*Lyons, Ia.*
Comings, Alice Tenney,	B.S.	92	*St. Joseph, Mich.*
Conner, Benjamin Cohoon,	B.S.	15	*Chicago.*
Conrad, Ashley Taylor,	B.S.		*Chicago.*
Cook, Edna King,	B.L.		*Evanston.*
Cook, Mabel Elizabeth,	A.B.		*Plano.*
Cooke, Helen Louisa,	B.L.		*Waukegan.*
Corkell, Marguerite Aileen,	A.B.		*Chicago.*
Covell, Jennie Rosaline,	B.S.		*McHenry.*
Crandon, Ruth Wilbur,	A.B.		*Evanston.*
Crane, Reva Russell,	Ph.B.	47	*Portland, Mich.*
Crawford, Wilson Martyn,	A.B.	49	*Columbus Grove, O.*
Crouse, Edna Davis,	B.S.	48	*Evanston.*
Crumpacker, Shepard J.	B.S.		*Westville, Ind.*
Cumnock, Wallace Webster,	A.B.		*Evanston.*
Curfman, George Hardin,	Ph.B.	107	*Maryville, Mo.*
Cushman, Dora Grace,	B.L.		*Waterloo, Ia.*
Dahlen, Emma Marie,	B.L.	70	*Whitewater, Wis.*
Dail, Arthur Henry,	B.S.		*Lansing, Mich.*
Danforth, Sarah Esther,	Ph.B.	108	*Chicago.*
Danforth, William Clark,	B.S.	99	*Chicago.*
Dapper, Emma Elizabeth,	Ph.B.	17	*Quincy.*
Davenport, Carl Djalma,	B.S.		*Creston, Ia.*
Davies, Bess,	B.L.		*Chicago.*
Davis, Elizabeth Frances,	Ph.B.	107	*Evanston.*
Davis, Percy Roland,	A.B.		*Chicago.*
Davison, Jessie Emeroy,	Ph.B.	95	*Joliet.*
DeLay, Frank Lasley,	Ph.B.		*Evanston.*
Dennis, Ralph Brownell,	B.L.	64	*Traer, Ia.*
Dick, James Lee,	B.S.		*McPherson, Kas.*
Dickens, Charles Augustus,	A.B.		*Lanark.*
Dickey, Charles James,	A.B.	8	*Ubly, Mich.*
Dickinson, Rogerta,	B.L.		*Eureka.*
Dietz, Cyrus Edgar,	Ph.B.		*Gilman.*
Dike, Paul Harrison,	B.L.	74	*Nunda.*
Dildine, Harry Glenn,	A.B.		*Ionia, Mich.*
Doland, Alice Clara,	Ph.B.	110	*Chicago.*
Dragoo, Vinton Benjamin,	B.S.	39	*Sycamore.*
Drew, Celia Anna,	Ph.B.		*Chicago.*
Dunlap, Ralph VanBuren,	B.S.		*Evanston.*
Durham, Harriet Babcock,	B.L.		*Onarga.*
Durham, Ralph Hermon,	Ph.B.	82	*Evanston.*

Dutton, Joseph,	Ph.B.	77	*Toronto, Can.*
Dyar, Annie Lombard,	B.L.		*Winona, Minn.*
Eldridge, Lulu Geneva,	Ph.B.	94	*Kewanee.*
Ellinwood, Robert Roy,	A.B.		*Rochelle.*
Elliott, Arthur James,	A.B.		*Kankakee.*
Ely, Harriott Belle,	Ph.B.	43	*Berwyn.*
Emery, Gertrude LaZelle,	Ph.B.		*Peoria.*
Enwall, John Octavius,	Ph.B.		*Evanston.*
Ericson, Edna Amelia,	Ph.B.		*Ishpeming, Mich.*
Erickson, Thor Haug,	A.B.	78	*Milwaukee, Wis.*
Evans, Ina Mae,	Ph.B.	77	*La Vergne.*
Fahs, Helen May,	Ph.B.	65	*Snohomish, Wash.*
Ferguson, Jean May,	Ph.B.	118	*Chicago.*
Ferris, Mary Caroline,	Ph.B.	82	*Princeton.*
Fleming, Berton H.	B.S.	46	*Dowagiac, Mich.*
Flentye, Mae Irene,	A.B.	6	*Evanston.*
Foster, Amelia Jeannette,	B.S.		*Chicago.*
Foster, Nellie Mae,	A.B.	16	*Plano.*
Foudray, Elbertie,	A.B.		*Evanston.*
French, Mirza Emma,	A.B.		*Rockford.*
Frey, Eugene,	Ph.B.	20	*Brookville.*
Friedman, Jacob,	B.S.		*Chicago.*
Frost, Henry Hoag,	A.B.	84	*Lake Road, N. Y.*
Frye, Milton,	A.B.		*Shannon.*
Gates, Arthur Lorenzo,	A.B.	23	*Lena.*
Gates, Jessie Maude,	Ph.B.		*Winona, Minn.*
Gazzolo, Victoria,	B.S.	91	*Chicago.*
George, Albert Edward.	Ph.B.		*Dexter, Iowa.*
Gibbs, Gertrude Louise,	B.L.		*Chicago.*
Gifford, Harry Melvin,	B.S.		*Onarga.*
Gill, James Robert,	A.B.		*Pauri, India.*
Gillespie, Charles Seward,	Ph.B.	60	*Evanston.*
Gilmore, Jennie Josephine,	Ph.B.	79	*Compton.*
Gilson, Grace Alice,	B.S.	48	*Harvey.*
Gooch, Rhoda May,	B.S.		*Evanston.*
Goodrich, Ethel Leota,	Ph.B.	34	*Braidwood.*
Gough, Harry Bainbridge,	A.B.	109	*Peoria.*
Graeser, Charles Frederick,	Ph.B.		*Des Moines, Ia.*
Graham, Fred Arthur,	Ph.B.	89	*Evanston.*
Gray, Edwin Wilson,	B.S.		*Evanston.*
Grayston, Wallace Slack,	B.S.		*Huntington, Ind.*
Green, Charles Henry,	Ph.B.		*Freeport.*
Greenwood, Cecelia Daphne,	Ph.B.		*Princeton.*
Hall, Clare Hamilton,	B.S.	114	*Rockford.*

Ham, Edward,	B.S.		*Austin.*
Hammond, Allen Odell,	Ph.B.		*Evanston.*
Hance, James Harold,	B.S.		*Chicago.*
Handy, Helen Marshall,	Ph.B.		*Evanston.*
Hanmer, Edward James,	B.S.	39	*Evanston.*
Hansen, Herbert Conrad,	Ph.B.	93	*Chicago.*
Hanson, Henry,	Ph.B.		*Blair, Neb.*
Hapgood, Laura Sarah,	A.B.	105	*Warren, O.*
Harbaugh, Harriet Elizabeth,	Ph.B.	13	*Joliet.*
Hard, John Vincent,	A.B.	53	*Hammond.*
Hard, William Amos,	A.B.	100	*Hammond.*
Harnden, Floid Leland,	Ph.B.		*Barrington.*
Harris, Grace Margaret,	Ph.B.		*Fort Collins, Col.*
Hart, Frankie May,	Ph.B.	113	*Evanston.*
Hart, Louie Blanche,	Ph.B.	121	*Evanston.*
Hart, Tobias VanHorn,	A.B	106	*Knoxville, Ia.*
Hausser, Arthur Henry Martin,	B.S.	18	*Chicago.*
Hayden, Agnes,	B.L.	72	*Evanston.*
Heil, Charles Frederick,	A.B.	124	*Santa Ana, Cal.*
Heilman, William,	B.S.		*Evansville, Ind.*
Henderson, Robert Halsey,	Ph.B.	28	*Chicago.*
Hill, Harry Oliver,	Ph.B.		*Bloomington.*
Hinkel, Mattie,	B.L.	75	*Chicago.*
Hoagland, Descom Deforest,	A.B.	107	*Gresham, Ore.*
Hofflund, Raymond Ward,	Ph.B.	32	*Evanston.*
Holmes, Marion,	Ph.B.	47	*Evanston.*
Hoover, Elva Cora,	A.B.		*Evanston.*
Houk, Charles William,	Ph.B.	103	*Crown Point, Ind.*
Hunting, Edith Stephens,	A.B.		*Chicago.*
Hutchings, William Theodore,	A.B.		*Chicago.*
Hutchins, Laura Belle,	Ph.B.		*Sheldon.*
Hutchins, Lelia Myrtle,	B.L.		*Sheldon.*
Imhoff, Harriet Josephine,	B.L.		*Johnstown, Pa.*
Jackson, Edgar Starkey,	A.B.		*Blanchester, O.*
Jeffrey, Jessie,	Ph.B.	77	*Washington, Ia.*
Jeffrey, John Howard,	Ph.B.		*Washington, Ia.*
Jenkins, Katherine Viola,	B.L.		*Charleston.*
Jewel, Jed Lake,	Ph.B.		*Chicago.*
Jewell, Helen Mabel,	Ph.B.	76	*Evanston.*
Johnson, Anna Raymond,	B.L.	9	*Wilmette.*
John, Emil Gideon,	A.B.		*Stront, Minn.*
Johnson, Evelyn Lena,	B.L.		*Watertown, S.D.*
Johnson, Harold Cortez,	B.S.		*Milwaukee, Wis.*
Johnson, Mabel Augusta,	B.L.		*Holdrege, Neb.*

Johnson, Thomas Carlyle,	B.S.	17	*South Wayne, Wis.*
Johnston, Joseph Albert,	A.B.	59	*Evanston.*
Jones, Elizabeth,	Ph.B.		*Chicago.*
Jones, Florence,	B.L.		*Chicago.*
Jones, Pearle Bellows,	B.L.		*Remington, Ind.*
Jose, Lillian Lovisa,	A.B.	80	*Onarga.*
Kahn, Julius Maurice,	A.B.		*Petersburg.*
Kappus, John Martin,	Ph.B.		*Chicago.*
Karn, Mary Edith,	A.B.		*Ortonville, Minn.*
Kays, Lucretia Garfield,	B.S.,		*Evanston.*
Kean, Mary Imogene,	A.B.	109	*Evanston.*
Keller, William Jacob,	A.B.	98	*Chicago.*
Kelley, Andrew Clarke,	A.B.	101	*Evanston.*
Kennedy, Lesley Leyson,	B.S.	25	*Leland.*
Kimber, Mabel Anna,	A.B.		*Springfield.*
Kincaid, Leslie Pearl,	Ph.B.		*Farmer City.*
Kindall, Hortense,	Ph.B.		*Onawa, Ia.*
King James Sherman,	A.B.	72	*Rosecrans.*
Kinney, Elmer Platte,	B.S.		*Mt. Carroll.*
Kinnison, Catharine,	Ph.B.		*Ligonier, Ind.*
Kinnison, Effie,	Ph.B.		*Ligonier, Ind.*
Kipp, Ray Bassett,	A.B.	47	*Wing.*
Knott, Thomas Albert,	A.B.	49	*Chicago.*
Knowlton, George Blake,	B.S.	113	*Rochester, Minn.*
Knox, Arthur Howell,	B.S.	51	*Evanston.*
Knox, Susan Mixter,	A.B.		*Wilmette.*
Kompel, Morris,	B.L.	103	*Chicago.*
Kriete, Cecilia Louisa,	B.L.		*Chicago.*
Ladd, Nancy Gertrude,	A.B.		*Traer, Iowa.*
Lane, Clara Louise,	Ph.B.	108	*Chicago.*
Lane, James Lewis,	B.S.		*Warrensburg, Mo.*
Larimer, Guy Wayne,	A.B.		*Chariton, Ia.*
Larsen, Edith Calistae,	B.L.		*Green Bay, Wis.*
Larsen, Isabel,	B.S.	78	*Odell.*
Larsen, Leslie Randall,	B.L.	78	*Green Bay, Wis.*
Larson, Bernhard,	Ph.B.	109	*Halstad, Minn.*
Leburg, Helga Marie,	A.B.		*Chicago.*
Ling, John Thornhill,	B.S.		*Wilmette.*
Little, Harry Frank,	A.B.	88	*Goodland, Ind.*
Livermore, Evalyn,	Ph.B.		*Evanston.*
Livermore, Margaret,	Ph.B.		*Evanston*
Lloyd, Alfred Tennyson,	A.B.		*Oakland, Cal.*
Logeman, May Margaret,	B.L.	118	*Chicago.*
Lombard, Mary Joy,	B.L.		*Winona, Minn.*

Long, Eva Mary,	Ph.B.		*Pontiac.*
Longley, Florence Mabel,	A.B.	110	*St. Paul, Minn.*
Lott, Lewis Bullard,	A.B.	111	*Chicago.*
Low, Isabel Ruth,	Ph.B.	45	*Evanston.*
Lowell, Emma Belle,	Ph.B.	75	*Chicago.*
Lyford, Lucy,	A.B.		*Port Byron.*
Lyon, Leonie Tansley,	B.L.	75	*Chicago.*
MacDonald, George Alan,	B.S.		*Clyde.*
Mack, Bessie Mabel,	Ph.B.	10	*Chicago.*
MacTavish, Beulah Grace,	B.L.		*Aurora.*
Maine, Henrietta Hope,	Ph.B.		*Des Moines, Ia.*
Mann, Loulu Mina,	B.S.		*Des Moines, Ia.*
Martin, Arba,	Ph.B.	104	*Evanston.*
Martin, Horatio Seymour,	A.B.	106	*Evanston.*
Masden, Ella McCarty,	A.B.	81	*Milwaukee, Wis.*
Matteson, Ralph DeLeon,	B.S.	26	*Chicago.*
Mattingley, Ralph Payne,	A.B.	12	*Plymouth, Ind.*
Mattison, Georgia Donkersley,	Ph.B.	111	*Evanston.*
Mayfield, Richard Ross,	A.B.		*Evanston.*
Mayr, Margaruite Johanna,	B.L.		*Chicago.*
McCabe, Caroline Rebecca,	A.B.	77	*Evanston.*
McClinton, John Wesley,	A.B.		*Port Elgin, Ont.*
McConnell, Charles Percy,	B.S.	15	*Evanston.*
McCoy, George Washington,	A.B.		*Harveysburg, Ohio.*
McIntosh, Arthur Tuttle,	B.S.	102	*Clear Lake, Ia.*
McLaughlin, Mary Hendley,	Ph.B.	112	*Evanston.*
McMichael, GeorgeAlexander,	Ph.B.		*N. Platte, Neb.*
Melville, Carey Eyster,	A.B.	48	*Chicago.*
Melzer, Lulu Katie,	A.B.	48	*Glen View.*
Mercer, Grace Darling,	Ph.B.	11	*LaMoille.*
Merrill, Ethel Louise,	A.B.		*Evanston.*
Merrill, Harvey Robert,	Ph.B.		*Evanston.*
Metcalf, Anne Maria,	B.S.	111	*Evanston.*
Meyer, Anjuline Orillia,	Ph.B.		*Evanston.*
Mies, Frank Peter,	B.S.	16	*Saunemin.*
Miller, Virginia Elizabeth,	A.B.		*LaCrosse, Wis.*
Mills, Charlotte Edna,	A.B.		*Peoria.*
Milner, Sarah Fay,	B.L.	84	*Chicago.*
Milnes, Frank J.,	B.S.		*Rockford.*
Mitchell, Louisa,	Ph.B.,		*Chicago.*
Mitchell, Robert McBurney,	A.B.		*Seattle, Wash.*
Mogg, Charles Wendell,	B.S.		*Milford.*
Montgomery, Annie Mabel,	A.B.	76	*Ireton, Ia.*
Moore, George Albert,	Ph.B.	49	*Evanston.*

Morris, Frank Ellis,	B.S.		*Evanston.*
Morse, Albert Garrish,	A.B.	91	*Highwood.*
Mueller, Hedwig Henriette,	B.L.		*Chicago.*
Myers, Walter Raleigh,	Ph.B.	16	*Evanston.*
Neff, Mamie Caroline,	B.L.		*Warsaw, Ind.*
Negus, Lenore Latham,	Ph.B.		*Wilmette.*
Neiglick, Elsa,	Ph.B.	76	*Chicago.*
Newton, Lenny Leander,	B.S.		*Wyanet.*
Nichols, George Everett,	Ph.B.		*Millbrook.*
Nicholson, James Calvin,	B.S.	86	*Litchfield.*
Nordquist, Stella,	Ph.B.		*McHenry.*
Northey, Vinnie Marion,	B.L.		*Waterloo, Ia.*
Northrup, Albert Justin,	A.B.	120	*Morris, Minn.*
Norton, Harriet Gertrude,	B.L.	15	*Evanston.*
Nusbaum, Payson LaVern,	B.S.		*Middlebury, Ind.*
Oldfield, William Alfred,	Ph.B.	60	*Chicago.*
Oliver, Maude Louise,	Ph.B.	13	*Evanston.*
Olp, Ernest Everett,	A.B.	117	*Evanston.*
Osborn, Laura Elliott,	Ph.B.		*Sterling.*
Owen, Festur Edward,	Ph.B.	37	*Mokena.*
Park, May,	B.L.	49	*Goodland, Ind.*
Parkinson, George Hathaway,	Ph.B.	39	*Wichita, Kas.*
Patterson, Charles Waggoner,	B.S.		*Chicago.*
Payton, Ethel Inez,	Ph.B.	72	*Adel, Ia.*
Pearson, Margaret Julia,	B.L.		*Evanston.*
Pease, Kingsley Eugene,	B.S.	88	*West Plains, Mo.*
Peck, David Billings,	B.S.		*Chicago.*
Perry, Edwin Ruthven,	A.B.	104	*Evanston.*
Peters, Jessie Irene,	B.L.		*Canton.*
Peters, Maude Myrtle,	B.L.	82	*Chicago.*
Phar, John Marion,	A.B.	77	*Mt. Carmel.*
Phelps, Frank Wesley,	B.S.		*Rockford.*
Phillips, Verda Mary,	Ph.B.		*Huron, S.D.*
Pickard, George Edwin,	B.S.		*Evanston.*
Pierce, Frances Currey,	Ph.B.	104	*Malta.*
Pierson, Ward Wright,	B.S.	41	*Wilmette.*
Pinneo, George Melvin,	A.B.		*Royal Center, Ind.*
Pinney, Myra Finette,	A.B.		*Valparaiso, Ind.*
Piper, William Floromond,	A.B.	34	*Berwyn.*
Platter, Matson Williams,	Ph.B.	16	*Chicago.*
Porter, Francis Arthur,	B.S.		*Chicago.*
Porter, Jesse Bell,	A.B.	102	*Brookville.*
Porter, Royal Arthur,	Ph.B.	87	*Macomb.*
Postlewait, Effie Mabel,	Ph.B.		*Oak Park.*
Pratt, Ernest Larned,	A.B.	38	*Evanston.*

Prindle, Edith Isabella,	B.L.		*Evanston.*
Prochaska, Otakar Ludvig,	B.S.	102	*Chicago.*
Putnam, Karl Frederick,	B.S.		*Mt. Carmel.*
Quade, William George,	Ph.B.	59	*Staunton.*
Quinn, Maytie,	B.L.		*Kewanee.*
Quinn, Mertie,	B.L.		*Kewanee.*
Randall, Grace Olive,	A.B.	29	*Berwyn.*
Rankin, Clarence Edward,	Ph.B.	70	*Braidwood.*
Rawlins, Frances Christine,	Ph.B.	46	*Warren.*
Rawll, Ruby Eleanor,	Ph.B.	70	*Chicago.*
Ray, Edward Russel,	B.S.		*Evanston.*
Ray, Ruth,	Ph.B.		*Evanston.*
Rea, Harry Andrew,	A.B.		*Palatine.*
Reed, Gertrude H.,	B.L.	106	*Evanston.*
Reed, Luella,	Ph.B.		*Decatur.*
Reed, Nelson Frank,	Ph.B.		*Reed.*
Rew, Mary Campbell,	B.L.		*Kenilworth.*
Reynolds, Florence Emma,	B.L.	80	*Chicago.*
Richards, Florence Louise,	Ph.B.		*Evanston.*
Richardson, Frank Lee,	B.S.	100	*Argo, Col.*
Richardson, Iva Myrtle,	Ph.B.		*Elgin, Minn.*
Richter, Christine Eleanor,	B.L.	92	*Chicago.*
Riebe, Elvina Busch,	B.L.		*Chicago.*
Roberts, Effie Isabel,	B.L.	108	*Remington.*
Rockwood, Leila Annette,	B.S.		*Evanston.*
Rodgers, Joseph Henry,	A.B.		*Charleroi, Pa.*
Roloff, Walter Edward,	Ph.B.		*Barrington.*
Rosenstein, Hannah Rose,	B.L.		*Moline.*
Rostock, Benjamin Franklin,	Ph.B.	73	*Evanston.*
Russell, Ira Erl,	A.B.	89	*Rockford.*
Rutledge, Edna,	B.S.	111	*Oregon.*
Ryden, Otto Gustaf,	Ph.B.	16	*Evanston.*
Sanders, Albert David, Jr.,	B.L.		*Evanston.*
Scales, Elizabeth Cayme,	A.B.		*Chicago.*
Scheiner, Frank Harry,	B.S.		*Irving Park.*
Schlorff, Paul William,	A.B.	80	*Chicago.*
Schraudenbach, Harry Mills,	B.S.		*Merton, Wis.*
Schreiber, Thomas,	Ph.B.		*Potter, S.D.*
Schwingel, Theresia,	Ph.B.		*Chicago.*
Scott, Jennie Neill,	A.B.	113	*Olney.*
Scott, Mary Rankin,	A.B.	44	*Harvey.*
Seabrook, Angelina Emily,	B.L.		*Chicago.*
Seager, George Wesley,	A.B.	81	*St. James, Minn.*
Seager, Margaret Loretta,	Ph.B.		*St. James, Minn.*
Seaman, Maud Tesmer,	A.B.		*Lewiston.*

Seed, Mason Joy,	B.S.	36	*Sumner.*
Selzer, Frederick Isaac,	A.B.	59	*Evanston.*
Semans, Clara Ellen,	Ph.B.	107	*Logansport, Ind.*
Sharp, Frances Margaret,	Ph.B.	48	*Warsaw, Ind.*
Sheets, Frank Harold,	A.B.		*Chicago.*
Shedd, Edith Elmira,	Ph.B.		*Renneslaer, Ind.*
Sheppard, Margarethe,	B.L.	108	*Evanston.*
Sheppard, Virginia Cornelia,	B.L.	19	*Evanston.*
Shinn, Harold Brough,	A.B.	85	*Evanston.*
Shuman, Grace Ethel,	B.L.	51	*Evanston.*
Siller, Mabel Harriet,	B.L.	81	*Evanston.*
Skiles, Aubrey Matson,	A.B.	58	*Shelby, O.*
Smart, Walter Kay,	Ph.B.		*Payson.*
Smiley, Joseph Ernest,	B.S.		*Plainville.*
Smith, Arthur Hensley,	A.B.		*Chicago.*
Smith, Avis,	B.S.	109	*Clifton.*
Smith, Bessie Carolyn,	A.B.	127	*Chicago.*
Smith, Elberta, Thalia,	Ph.B.	15	*Springfield.*
Smith, Elda Louisa,	A.B.	70	*Springfield.*
Smith, Henman Bressee,	Ph.B.		*Coal City.*
Smith, Walter J.,	B.S.	31	*Waukegan.*
Snider, Blanche Ellis,	B.L.	71	*Evanston.*
Solenberger, Harvey Monroe,	B.S.		*Polo.*
Sparling, James Lyons,	A.B.		*Moweaqua.*
Staatz, William Charles,	A.B.		*Enterprise, Kas.*
Stahl, Charles Edward,	A.B.		*Chicago.*
Stanbery, Frank,	B.S.		*Evanston.*
Stephenson, John William,	B.S.		*Chicago.*
Stevenson, Olla,	B.L.	47	*Nebraska, City, Neb.*
Stewart, George John Craig,	Ph.B.		*Evanston.*
Stowe, Esther Louisa,	A.B.	41	*Fort Dodge, Ia.*
Strickler, Mary Cecelia,	Ph.B.	101	*Lanark.*
Struggles, Eva,	Ph.B.	47	*Winnetka.*
Sturgeon, Jennie Bradshaw,	B.L.	77	*Rock Island.*
Sturgeon, Rollin Summers,	B.L.	89	*Rock Island.*
Summerville, Ralph Waldo Emerson,	B.S.	33	*Grants Pass, Ore.*
Sutter, Minnie May,	B.L.	44	*Chicago.*
Swan, Henry Marcus,	Ph.B.	43	*Des Moines, Ia.*
Sweitzer, Harry Ellsberth,	Ph.B.	57	*Grossdale.*
Tayler, Mary Ellen,	B.S.	111	*Green Bay, Wis.*
Taylor, Albert Hoyt,	B.S.	99	*Wilmette.*
Taylor, Lawyer,	B.S.	15	*Austin, Tex.*
Terry, Arthur Guy,	Ph.B.	79	*Evanston.*

Thayer, Effie Ellen,	B.S.	85	*Evanston.*
Thayer, Jane Constance,	B.S.	70	*Evanston.*
Thayer, Lola Stephene,	B.S.	24	*Evanston.*
Thomas, Percy Ernest,	Ph.B.		*Denver, Col.*
Thompson, Grace Eleanor,	B.L.	48	*Rensselaer, Ind.*
Thompson, Mary Edith,	Ph.B.	107	*Evanston.*
Thompson, Sadie Abia,	Ph.B.		*Evanston.*
Tilroe, George Staley,	A.B.	7	*Chicago.*
Tilroe, Hughey Massey,	A.B.	105	*Flat Rock.*
Trefz, Julius John,	B.S.		*Sterling.*
Trelease, Justin Patterson,	B.S.	64	*Chicago.*
Truby, Franklin Jesse,	A.B.		*Maple Park.*
Tyson, Anna May,	A.B.		*Chicago.*
Ullrick, Laura Foster,	A.B.	15	*Lafayette, Ind.*
Umholtz, Claude Leon,	Ph.B.		*Edmond, Ok.*
Varty, Mary Josephine,	A.B.		*Chicago.*
Vaughan, David Davis,	B.S.	102	*Chicago.*
Vaughan John George,	Ph.B.	42	*Chicago.*
Vimont, Marie Louise,	B.S.		*DesMoines, Ia.*
Wadden, Mary,	Ph.B.	43	*Madison, S. D.*
Ward, Sidney George,	B.S.		*Evanston.*
Ward, Stanley,	A.B.	54	*Evanston.*
Wasson, Gail Christina,	Ph.B.		*Rensselaer, Ind.*
Waterman, August Henry,	B.L.		*Luzerne, Ia.*
Watson, Mildred,	Ph.B.		*Minooka.*
Weakley, Mary,	A.B.		*Cincinnati, O.*
Weakley, Nanne,	Ph.B.	16	*Cincinnati, O.*
Wesse, Harry Ernest,	B.S.	43	*Huntington, Ind.*
Wegener, Agnes,	A.B.	68	*Evanston.*
Wegener, Florence,	A.B	77	*Evanston.*
Welch, Ida,	A.B.		*Evanston.*
Wells, Mary Elizabeth,	Ph.B.		*Rushville.*
Welsh, John Wallace,	A.B.	56	*Evanston.*
Wentworth, Hattie Ellen,	Ph.B.	16	*Kewanee.*
West, Frank Harry,	A.B.		*Loda.*
Wetzel, Nina Leonia,	Ph.B.		*Traer, Ia.*
Wheat, Herbert Thomas,	B.S.	47	*Rockford.*
Wheelock, Seymour Edwin,	B.S.	105	*Wilmette.*
White, Bertha,	B.L.	44	*Plattsmouth, Neb.*
White, Will Fremont,	A.B.	104	*Austin.*
Wickersham, Elmer Randolph,	A.B.		*Chicago.*
Wilbur, Alice May,	B.S.	43	*Mansfield, O.*
Williams, Abbie Florence,	B.L.	80	*Chicago.*
Williams, Charles Gilbert,	B.S.		*LeClaire, Ia.*

Williams, David Irwin,	B.S.	79	*Evanston.*
Williams, Willis Mac,	B.S.	106	*Vinton, Ia.*
Window, Mary Reynolds,	B.L.	73	*Evanston.*
Windsor, John George,	B.S.	105	*Evanston.*
Winslow, Annie Swift,	Ph.B.	56	*Morgan Park.*
Winston, William Thomas,	A.B.	46	*Sidney.*
Wolf, Frank David,	Ph.B.	70	*Lincoln, Pa.*
Wood, Martha,	B.S.		*Chicago.*
Woodley, Ruth Anne,	B.L.	13	*Evanston.*
Woods, Arthur Waterston,	B.S.	104	*Evanston.*
Woolbert, Charles Henry,	A.B.	106	*Ottawa.*
Woolson, Ruth,	Ph.B.	77	*DesMoines, Ia.*
Work, James Amos, Jr.,	B.S.		*Elkhart, Ind.*
Wright, Mary Florence,	Ph.B.	71	*Rochester.*
Wynekoop, Florence Victoria,	A.B.	86	*Chicago.*
Wynekoop, Gilbert Haven,	B.S.		*Chicago.*
Wynekoop, Walter Willard,	Ph.B.		*Chicago.*
Yoder, Joseph Warren,	A.B.		*Belleville, Pa.*
Yoshioka, Gen-ichiro,	Ph.B.		*Okayama, Japan.*
Zaumbrecher, Elsie,	B.S.		*Chicago.*
Zimmerman, Edward Egglst'n	A.B.	69	*Evanston.*
Zimmerman, Marion Egglst'n	B.L.	81	*Evanston.*

NOT CANDIDATES FOR A DEGREE.

Albright, Nora,	*Mt. Vernon.*
Baldwin, Florence Gertrude,	*Chicago.*
Ball, Huldah Inez,	*Evanston.*
Bantz, Edith Virginia,	*Evanston.*
Bliss, Helen Elizabeth,	*Evanston.*
Brown, John Lincoln,	*Elgin.*
Butler, Albert Edwin,	*Evanston.*
Carpenter, Florence Almira,	*Evanston.*
Chamberlain, Cora Adelle,	*Waterloo, Ia.*
Corrie, Roy Alman,	*Isabel, Kas.*
Cowgill, James Robert,	*Humphreys, Mo.*
Davenport, Kenneth Howard,	*Evanston.*
Delay, Edith Idella,	*Chebanse.*
DeMontcourt, Albert Louise,	*Cairo.*
Eckstorm, Royce Paul,	*Chicago.*
Egley, George Woolston,	*Onarga.*
Elder, Charles Byrd,	*Chicago.*
Empey, Frank DeHaven,	*Sioux City, Ia.*
Fargo, George Buel,	*Evanston.*

Ferguson, Grace Adell,	*Mendota.*
Ferris, Harold Gano,	*Carthage.*
Fleager, Harry Anderson,	*Sheldon.*
Fleshiem, Edna Earle,	*Menominee, Mich.*
Gould, Leonora,	*Evanston.*
Graves, Irene Mayhew,	*Evanston.*
Gregg, Grace,	*Peru, Ind.*
Hall, Ora Loftin,	*Palermo.*
Hardin, Gertrude,	*Evanston.*
Hastings, Maude Anna,	*Cairo.*
Hawley, Edna May,	*Chicago.*
Herrick, Marion Ellen,	*Goeglein, Ind.*
Hill, Harvey Rowland,	*Portland, Ore.*
Hiller, Mary Edith,	*Galveston, Ind.*
Holderbaum, Julia Katherine,	*Somerset, Pa.*
Jantzen, Daniel Franz,	*Elkhart, Ind.*
Johnson, Alton Francis,	*Chicago.*
Judy, John Milton,	*Potomac.*
Kipp, Julia Inez,	*Wing.*
Lauxmann, Otto William,	*Chicago.*
Lord, Mary Wade,	*Evanston.*
Louis, George Lionel,	*Chicago.*
Lowary, Andrew Jacob,	*Loraine.*
March, Ralph Cartwright,	*Oregon.*
Matteson, Jesse Franklin,	*Courtland.*
McCabe, Alice,	*Evanston.*
McCulla, James,	*Evanston.*
Miles, Lois,	*Corydon, Ia.*
Mockford, Richard Edgar,	*Evanston.*
Neville, John Henry,	*Bay City, Mich.*
Noble, Albert Vernon,	*Brooten, Minn.*
Philp, Leon Hacker,	*Polo.*
Pixley, Calvin Wesley,	*Lowell, Ind.*
Pogue, Nettie Mae,	*Oswego.*
Price, Freeman Bamborough,	*Evanston.*
Quinn, Leonard Daniel,	*Kewanee.*
Randolph, Harry Blaine,	*Valley City, N.D.*
Regan, Stella Agnes,	*Ramona, S.D.*
Rose, Clara Estelle,	*Cordova, Md.*
Samter, Bessie Helene,	*Marengo.*
Sayre, Jessie Oril,	*Centerville, S.D.*
Scott, Lida Shaffner,	*Evanston.*
Scott, Susie Martha,	*Mt. Ayr, Ia.*
Shaw, Norman Messinger,	*Momence.*

Strickler, Myrtle Ruth,	*Lanark.*
Tanquary, Flora Matina,	*Albion.*
Telling, Bessie Irma,	*Chicago.*
Thomas, Lillian Daisy,	*Denver, Col.*
Tollefson, Martha Amelia,	*Mabel, Minn.*
Tomy, Cornelius Devan, Jr.,	*Fairfield, Ia.*
Ullrick, Delbert Sylvester,	*Carson City, Nev.*
Vaughn, Matie Ella,	*Deadwood, S.D.*
Ward, Charles William,	*Onarga.*
White, Jessie Cornelia,	*Lincoln, Neb.*
White, Lillian Content,	*Lincoln, Neb.*
Whiteman, Cecilia Sherman,	*Carrollton, Mo.*
Whiteside, Mabelle,	*Freeport.*
Wichert, Elsa Adele,	*Chicago.*
Williamson, Levy,	*Rochester, Ind.*
Witt, Maria Irene,	*Farmersville.*
Wylie, Naomi Elsie,	*Chicago.*

THE MEDICAL SCHOOL.

FOURTH YEAR.

Ackley, Conway Blaine,	*Beloit, Wis.*
Aderhold, Thomas Maze, B.S., Washburn College.	*Valley Falls, Kas.*
Bailey, Jr., Samuel Gordon, B.S., University of Illinois.	*Chicago.*
Balsley, John Allen,	*Joplin, Mo.*
Batcheller, Walter Benson,	*Chicago.*
Becker, William Louis, Ph.G., Northwestern University School of Pharmacy.	*Dubuque, Ia.*
Beehler, Louis L.,	*Manchester, Ia.*
Behm, Charles William, M.D., University of Michigan.	*Chicago.*
Beilstein, Frederic William,	*Chicago.*
Blackstone, George R.,	*Pennington Point.*
Brennemann, Joseph, Ph.B., University of Michigan.	*Peru.*
Brown, Morrow Duncan,	*Chicago.*
Brumund, Diederick Adam,	*Chicago.*
Burkholder, Samuel G , M.D., V.S., Harvey Medical School and Ontario Veterinary College.	*Chicago.*
Butt, George Russell,	*Seneca, Kas.*
Campbell, Omar Ernest,	*Chicago.*
Cavano, Will M., B.S., Northwestern University.	*Burlington, Wis.*
Chichester, Jacob Gemmill,	*Chicago.*
Collins, Lorin Cone, III.,	*Chicago.*
Cubbins, William Robert, B.S., Centre College.	*Memphis, Tenn.*
Cullen, George Albert,	*Lincoln, Neb.*
Damm, Eugene Francis,	*Ottawa.*
Davis, Ernest Elisha, B.S., Northern Indiana Normal School.	*Chicago.*
Du Four, Walter George,	*Chicago.*
Ehmer, Joseph Wilbur,	*Mayville, Wis.*
Everett, Harry Harding,	*Lincoln, Neb.*
Fazen, Louis Edward,	*Racine, Wis.*
Foster, Thomas, A.B., Wooster University.	*Williamsburg, O.*

Frantz, Charles P., B.S., Iowa Wesleyan University. *Burlington, Ia.*
Germer, James William, Ph.C., Northwestern University. *Chicago.*
Gilmore, Mark E., Ph.C., University of Kansas. *Topeka, Kas.*
Haeberlin, John Benjamin, *Ottawa.*
Hart, Edson, B.S., Illinois Wesleyan University. *Bloomington.*
Hawks, Joseph Knowlton P., A.B., Illinois Wesleyan University. *Bloomington.*
Hill, William Franklin, *Garwin, Ia.*
Hollister, John Chamberlain, A.B., Yale University. *Grand Rapids, Mich.*
Horwitz, Alexander Philip, *Chicago.*
Hultgen, Jacob Frederick, *Chicago.*
Johannes, Philip William C., Ph.G., Northwestern University School of Pharmacy. *Chicago.*
Johnson, Hiram Conover, *Fond du Lac, Wis.*
Kallenberg, Henry Frederick, Ph.B., Iowa State University. *Chicago.*
Kerr, Ellis Kirk, A.M., Northwestern University. *Chicago.*
Long, Harry Wadsworth, *Escanaba, Mich.*
Louis, Ike, *Chicago.*
McClave, Arthur W., A.B., University of Nebraska. *Western, Neb.*
McCornack, Peter Daniel, *Traer, Ia.*
McNeill, Henry Iles, Ph.B., Northwestern University. *Evanston.*
Miller, Frank Russell, *Beardstown.*
Mooney, George Farnsworth, *Austinburg, O.*
Myers, Edward Morrison, A.M., Iowa Wesleyan University. *Mt. Pleasant, Ia.*
Newell, Frank Fordyce, *Burlington, Wis.*
Packard, Lawrence Ralph, B.A., University of Nebraska. *Kearney, Neb.*
Pech, Albert, Jr., *Chicago.*
Pretts, William Walter, B.S., University of Wisconsin. *Chicago.*
Purves, George K., *River Falls, Wis.*
Rall, George Washington, *Cedar Falls, Ia.*
Randall, Clinton Lincoln, *Callao, Mo.*
Reynolds, Ernest Ray, *Grand Haven, Mich.*
Richter, Arthur Jacob, *Chicago.*
Riebel, Ernest C., *Chicago.*
Rubovits, William Henry, *Chicago.*
Rupp, Will, *Calumetville, Wis.*
Sampsell, Isaac Ward, *Caledonia, O.*
Schlieker, Alexander Grant, *Chicago.*

Schram, David Leo, Ph.G., Chicago College of Pharmacy.	*Chicago.*
Scott, Charles Reuben,	*Belvidere.*
Staatz, John Harvey,	*Enterprise, Kas.*
Tallman, Claude Addison,	*Chicago.*
Tallman, Homer Hinton,	*Chicago.*
Tarnowsky, George de,	*Chicago.*
Taylor, Clarence Wilbur,	*Chicago.*
Thomsen, Carl,	*Chicago.*
Thorson, Thorval John, B.S., University of Wisconsin.	*Scandinavia, Wis.*
Tidyman, Gay F.,	*Waupun, Wis.*
Weiskoff, Herrmann Carl,	*Chicago.*
Wenstrand, David Eric William,	*Chicago.*
Wheeler, Roy McMillan,	*Creston.*
Williams, Charles Lafayette,	*Lafontaine, Kas.*
Williams, Roy Daniel,	*Antioch.*
Willits, Alfred Joy,	*Michigan City, Ind.*
Wilson, Henry Kirke,	*Chicago.*
Wing, Walter Seymour,	*Nashota, Wis.*
Wright, Sherman Elijah,	*Chicago.*
Wyllys, Henry Amos,	*Kingston.*

THIRD YEAR.

Abrams, James Chegwin, B.S., Northern Indiana Normal School.	*Dollar Bay, Mich.*
Adams, Fred Millard,	*Alden.*
Adams, Ortus Fuller,	*Washington, Ia.*
Baker, Axcel Conrad, B.S., University of Minnesota.	*Rochester, Minn.*
Barnes, Elbert Maltby,	*Jacksonville.*
Bartlett, Henry Lincoln,	*Chicago.*
Beard, Charles George,	*Polo.*
Beck, Louis,	*Glenbeulah, Wis.*
Beecher, William Lyman, Ph.G., Northwestern University School of Pharmacy.	*Chicago.*
Benjamin, Will V.,	*Fond du Lac, Wis.*
Biehn, Joseph Frank,	*Chicago.*
Black, Arthur Davenport,	*Chicago.*
Bonesteel, William Mayward,	*Janesville, Wis.*
Boughton, Charles Wheelock,	*Topeka, Kas.*
Brandt, Franz Henry,	*Walnut, Ia.*
Bunyan, Walter William,	*Kendallville, Ind.*
Clark, John Donavan, B.S., Washburn College.	*Macksville, Kas.*
Cohenour, Vincent Jacob, B.S. and Ph.B., Illinois College.	*Pittsfield.*

Coughlin, Francis James,	*Aurora.*
Detling, Frank Edward,	*Sheboygan, Wis.*
Dye, Willoughby George,	*Macedonia, Ia.*
Farrell, Vincent Alan,	*Mason City, Ia.*
Force, Oreis Orville, Ph.B., Hillsdale College.	*Pardeeville, Wis.*
Fox, Charles Marion,	*Lagrange.*
Francis, Charles Haven,	*New Lenox.*
Geyer, Clarence Winfred,	*Aurora.*
Gilbert, Alson Reeder,	*Emington.*
Goldsmith, Alexander Aaron,	*Chicago.*
Greene, Ronald A.,	*Salt Lake City, Utah.*
Gumm, Albert Gotlieb, B.S., Northern Indiana Normal School.	*Paris.*
Harriman, Tim G.,	*Hampton, Ia.*
Herdien, Elmer Forrest, A.B., Northwestern University.	*Galva.*
Higgins, Edward J.,	*Joliet, Ill.*
Hopkins, Clarence Whittingham,	*Chicago.*
Jones, Charles Lemen,	*Olney.*
Jones, Charles Rutgar, Ph.G., University of Iowa.	*Ft. Madison, Ia.*
Jordan, Peter Andrew, A.B., University of South Dakota.	*Vermillion, S. D.*
Kinnaird, William,	*McGregor, Ia.*
Lamborn, William Henry,	*Lawrence, Neb.*
Lehnhoff, Henry John, A.B., University of Nebraska.	*Gammill, Neb.*
Lespinasse, Victor Darwin,	*Chicago.*
Lewis, James Lang, A.B., Knox College.	*Joliet.*
Lofgren, Emil,	*Rockford.*
Maclay, Otis Hardy, B.S., Northwestern University.	*Chicago.*
Miller, A. Merrill,	*Piper City.*
Miller, Hugh Munro,	*Owen Sound, Ont.*
Mills, Patrick E.,	*Beloit, Wis.*
Noble, Robert Avery,	*Bloomington.*
Parker, Albert,	*Harvey.*
Payne, William Henry,	*Ivanhoe.*
Pearson, Norman,	*Pontiac.*
Persons, John Reed,	*Delaware, O.*
Potts, Herbert Anthony, D.D.S., Northwestern University Dental School.	*Chicago.*
Ransmeier, Robert Edmund,	*Murphysboro.*
Rudolf, Alexander James,	*Juneau, Wis.*
Smith, Charles Edgar,	*Beloit, Wis.*
Snyder, Karl Forbes,	*Riverside.*

Stevenson, Byron Le Roy,	*Hunters, Wash.*
Streeter, Edward Clark, A.B., Yale.	*Chicago.*
Tillisch, John Henry,	*Chicago.*
Tower, John Ballard, A.B., Washburn College.	*Belvue, Kas.*
Van Vorhis, James Harrison, B.S., University of Wisconsin.	*Shullsburg, Wis.*
Watterson, Walter Hobert,	*Kankakee.*
Wiley, Edwin Hardin, Jr.,	*Charleston.*
Woolsey, Lester E.,	*Living't'nManor, N.Y.*
Worthington, Major Henry,	*El Paso.*

SECOND YEAR.

Axtell, Paul Woodbury,	*Chicago.*
Bo Dine, Charles Delos,	*Bates, S. D.*
Bold, Francis James, B.S., University of Wisconsin.	*Madison, Wis.*
Bonthius, Fred Albert,	*Chicago.*
Brereton, Hugh Albert,	*Lodi, Wis.*
Cairns, Rolla Ullin, B.S., University of Wisconsin.	*Ellsworth, Wis.*
Casey, James R.,	*Chicago.*
Cherry, Herbert Johnson,	*Grand Haven, Mich.*
Clemensen, Peter Christian,	*Chicago.*
Crossley, Elijah Rockhold,	*Marshall.*
Curry, Genorman Dixon,	*Mechanicsburg.*
Day, Minor Harold,	*Berlin, Neb.*
Day, Wilton Andrew,	*Austin, Minn.*
Dowling, Jay Thomas,	*Quincy, Minn.*
Drennan, Gilbert Dodd,	*Glenarm.*
Egelhoff, William Christian,	*Fond du Lac, Wis.*
Eisenstaedt, Moses,	*Chicago.*
Galland, William Herbert,	*Lodoga, Wis.*
Gibbons, Charles Kimball,	*Kearney, Neb.*
Grady, William Patrick, B.S., Notre Dame University.	*Chicago.*
Hanna, Lester Charles,	*Lincoln, Neb.*
Haugan, Otto Martin, A.B., University of Minnesota.	*Fergus Falls, Minn.*
Haury, Richard Samuel,	*Halstead, Kas.*
Hecker, William, B.S., Lawrence University.	*Cambria, Wis.*
Higgins, Allen Fitch, B.S., University of Wisconsin.	*Sturgeon Bay, Wis.*
Hill, Charles, M.S., Ph.D., University of Michigan and Northwestern University.	*Creston.*

Hill, Frank A., Ph. G., *Chicago.*
Northwestern University School of Pharmacy.
Holmes, Raynor Elmere, *Chicago.*
Horswell, Ulysses Murton, *Evanston.*
Jones, Hugh Owen, Ph.G., *Chicago.*
Northwestern University School of Pharmacy.
Jones, Richard W., *Waukesha, Wis.*
Jones, Walter Clinton, A.M., *Evanston.*
Northwestern University.
Kleutgen, Arthur C. *Chicago.*
Koehler, Gottfried Henry Charles, Ph.G., *Orland.*
Northwestern University School of Pharmacy.
Koobs, Herman John George, *Scotland, S. D.*
Legnard, John B., Jr., *Waukegan.*
Libberton, Raymond C., B.S., *Chicago.*
Northwestern University.
Linebarger, Isaac, *Chicago.*
Little, Wilbur Grant, Ph.B., *Chicago.*
Western College.
Machesney, William Nelson, A.B., *Evanston.*
Northwestern University.
Morgan, Charles Edwin, *Mattoon.*
Morton, Dwight France, *Effingham.*
Nowlin, John Herbert, *Hesper, Kas.*
Oakley, Robert William, Ph.C., *Chicago.*
Northwestern University School of Pharmacy.
Palen, Charles, *Dubuque, Ia.*
Patterson, Robert Wilson, *Chicago.*
Pestal, Joseph, *Weston, Neb.*
Poindexter, Frederick M., *Dillon, Mont.*
Rendtorff, Walter, *Chicago.*
Roberts, Harold Hargreaves, *Chicago.*
Rohrlack, Otto, Ph.G., *Reedsburg, Wis.*
Northwestern University School of Pharmacy.
Russell, Frank Horatio, *Lamartine, Wis.*
Ruschhaupt, Louis Fred, B.S., *Milwaukee, Wis.*
University of Wisconsin.
Sasvil, Ernest M., *Chicago.*
Skelsey, Albert Wesley, *Dallas, Tex.*
Slusser, Carl Wilson, *Downer's Grove.*
Snyder, Craig Richard, *Dillon, Mont.*
Warriner, Winsor Whipple, *Hackettstown, N. Y.*
Williams, Arthur Edward, B.S., *Kankakee.*
Northwestern University.
Wray, Clarence M., *Elida.*
Younger, Charles Benjamin, *Washburn, Wis.*

FIRST YEAR.

Anderson, Cornelius Oscar, B.S., Knox College.	*Chicago.*
Avery, Ralph Washburn, B.S., University of Southern California.	*Los Angeles, Cal.*
Bahrenburg, George Edward,	*Edwardsville.*
Baldwin, Charles Frederick,	*Appleton, Wis.*
Bamberger, George Washington,	*Chicago.*
Block, Julius,	*Cherokee, Ia.*
Blome, Frederic Michael,	*Clinton.*
Bowe, Frederick,	*Mt. Calvary, Wis.*
Boys, Charles Edward, B.S., Albion College.	*Richter, Kas.*
Bramhall, Robert Nicholas,	*Chicago.*
Briggs, Jesse Howard,	*Columbia City, Ind.*
Brown, Rexwald,	*Joliet.*
Bryant, John Howard,	*Princeton.*
Buford, Basil Duke,	*Rock Island.*
Buhlig, Walter Herman,	*Chicago.*
Carriel, Howard Tennis, B.S., Illinois College.	*Jacksonville.*
Clement, Charles A.,	*Joliet.*
Cole, James,	*Chicago.*
Collie, Henry Glenwood,	*Williams Bay, Wis.*
Cooley, William M.,	*Toulon.*
Cowles, Robert Andrew,	*Bloomington.*
Crary, Arch. W., B.S., Cornell College.	*Boone, Ia.*
Daly, Thomas Patrick,	*Cresco, Ia.*
Danforth, William Clark,	*Chicago.*
Dolder, Felix Charles,	*Chicago.*
Egeland, Gustaf Richard,	*Sturgeon Bay, Wis.*
Engelbach, William, B.S., Illinois College.	*Arenzville.*
Erickson, Charles August, Ph.G., Northwestern University School of Pharmacy.	*Chicago.*
Fleming, Claude Fillmore,	*Elkhart, Ind.*
Finley, William Penwarden,	*Chicago.*
Fores, Louis Badger,	*Chicago.*
Fyfe, Malcolm Brown,	*Chicago.*
Grulee, Clifford Grosselle,	*Lagrange.*
Guilfoyle, Thomas Peter,	*Mendota.*
Hammond, Cecil Albion,	*Belvidere.*
Hanson, George Christian,	*Chicago.*
Harney, Louis Grason,	*Auburn.*
Havenstrite, Charles D.,	*Chicago.*

Healy, Maurice Arthur,	*Griffin, Ia.*
Helz, Joseph,	*Mt. Calvary, Wis.*
Herrmann Alfred August,	*Chicago.*
Hieber, Harvey G., Ph.G., University of Iowa.	*Cedar Falls, Ia.*
Hinman, Clayton Jay, B.S., University of Southern California.	*Chicago.*
Kaerwer, Jacob Arthur,	*Chicago.*
Kearns, Robert Joseph,	*Chicago.*
Kepner, Harry Lynn,	*Chicago.*
Ketterer, Englebert August,	*Rewey, Wis.*
Lang, Harry William,	*Chicago.*
Lovell, John Gibbs,	*Chicago.*
Lowry, Carl Clement,	*Chicago.*
Mahoney, John James,	*Chicago.*
Martin, William Judson,	*Franklin, Ind.*
Mauerman, Julius Ferdinand,	*Monroe, Wis.*
Melzer, George R.,	*Banner, Wis.*
Nolan, John James,	*Chicago.*
Osgood, Luther James,	*Chicago.*
Parker, George William, Ph.B., Illinois College.	*Mt. Sterling.*
Peck, David Ransford,	*Chicago.*
Poole, Charles Vibert Benyon,	*Chicago.*
Porter, Jesse B.,	*Brookville.*
Richman, Frank Nelson,	*Chicago.*
Roan, Martin William,	*Rock Rapids, Ia.*
Rogers, Herbert William,	*Montevideo, Minn.*
Runkle, George Darius,	*Littleton.*
Schmidt, Karl Henry,	*Minneapolis, Minn.*
Sharpe, Walter Stokes,	*Chicago.*
Sommers, Arthur James,	*Geneseo.*
Spence, William Potter,	*Chicago.*
Swanson, Isaac Winfred, B.S., Knox College.	*Galesburg.*
Thomson, David Alexander,	*Seward.*
Tombaugh, John Letherman,	*Odell.*
Van Deursen, Arthur Charles,	*Chicago.*
Wells, Philip Howard,	*Rock Island.*
Woods, Leonard Bochner,	*Chicago.*

LIST OF SPECIAL STUDENTS.

Bellows, William Samuel,	*Waukegan.*
Bender, William Fred,	*Newark, N. J.*
Boyd, LaVergne Clarence,	*Springfield.*

Boyle, Peter John,	*Darlington, Wis.*
Clancy, Marshall Grant,	*Chicago.*
Cluney, William Thomas,	*Chicago.*
Colnon, Aaron Thomas,	*Chicago.*
Conner, H. E.,	*Chicago.*
Crown, Frank Anton C.,	*Evanston.*
Dyer, John A.,	*Indianapolis, Ind.*
Flaherty, John F.,	*Ft. Dodge, Ia.*
Gethro, Fred William,	*Bloomington.*
Graves, Walter H., M.D.,	*Wichita, Kas.*
Hamnett, Harold,	*Findlay, O.*
Harrington, Harry Bevard,	*Chicago.*
Mahurin, Melville Judson,	*Indianapolis, Ind.*
Markle, Marvin H.,	*Terre Haute, Ind.*
McClenahan, Henry Stuart,	*Chicago.*
Meyers, Arthur Leslie,	*Chicago.*
Murphy, Daniel Edward,	*Joliet.*
Prechtel, Frederick W.,	*Chicago.*
Quick, James Burgess,	*Calumet, Mich.*
Raber, Ralph L.,	*Corunna, Ind.*
Reber, Neelen Ellis,	*Springfield, Mo.*
Roberts, Will H., Ph.G., Northwestern University.	*Calumet, Mich.*
Schaefer, John Ferdinand,	*Chicago.*
Siberts, Paul Raymond, B.S., Northwestern University.	*Evanston.*
Smith, Linden P.,	*Birmingham, Ala.*
Stephens, Perry J.,	*Terre Haute, Ind.*
Taylor, Albert Milne,	*Chicago.*
Thomas, William O.,	*Harrison.*
Tucker, Ernest Vidal, Ph.B., University of Michigan.	*Tallahassee, Fla.*
Van Doozer, Fred Rex,	*Chicago.*
Van Houten, Jake,	*Waupun, Wis.*
Wachowski, John George,	*Chicago.*
Walsh, Groesbeck, A.B., St. Ignatius College.	*Chicago.*
Wegener, Albert Benjamin, B.S., University of Tennessee.	*Chicago.*
Wilkinson, William Willing, B.S., Northwestern University.	*Chicago.*
Williams, Robert James,	*Siloam, W. Va.*
Wise, John M.,	*Freeport.*

THE LAW SCHOOL.

RESIDENT BACHELORS OF LAW.

Canfield, Horace, *Chicago.*
A.B., Harvard University; LL.B., Northwestern University.

Dickinson, Harry, *Rockford.*
LL.B., Harvard University.

Herbst, Charles Frederick, *Rockford.*
LL.B., Northwestern University.

Levy, Harry Denton, *Chicago.*
LL.B., University of Michigan,

Manierre, George William, *Chicago.*
LL.B., Northwestern University.

McCornack, Walter Edwin, *Chicago.*
A.B., Dartmouth College; LL.B., Northwestern University.

Meloy, Robert Bingham, *Chicago.*
A.B., University of Chicago; LL.B., Northwestern University.

Munro, Fayette, *Chicago.*
A.B., Colgate University; LL.B., Harvard University.

Pell, William John, *Oak Park.*
B.S., Carleton College.

Rice, Elbridge Washburn, *Pontiac.*
Ph.B., University of Chicago; LL.B., Northwestern University.

Whiteside, John Jay, *Marengo.*
LL.B., Northern Illinois College of Law.

THIRD YEAR STUDENTS.

(Candidates for graduation in 1900.)

Barnett, Ellis Richard, *Clinton.*

Beerly, Gustav E., LL.B., *Chicago.*
Kent College of Law.

Beers, Arthur Edward, Ph.B., *Chicago.*
University of Chicago.

Bibo, Max Sholem, *Paris.*

Borgmeier, Adolph John, *Chicago.*

Catlin, Robert Louis, *Sugar Grove.*

Chapman, Theodore, *Jerseyville.*

Condee, Ralph Waterbury, *Chicago.*

Dunton, Walter Barrett, A.B., Middlebury College.	*Rutland, Vt.*
Earle, George,	*Chicago.*
Fegtly, Samuel Marks, Ph.B., Northwestern University.	*Nevada, Ia.*
Frahm, Hattie Belle,	*Tuscola.*
Gearon, John Ambrose, A.B., Creighton University.	*Chicago.*
Goodman, Charles Augustus, A.B., University of Chicago.	*Chicago.*
Goodwin, George Benjamin, A.B., Northwestern University.	*Milwauke, Wis.*
Gray, Charles Harry,	*Chicago.*
Green, Ernest L.,	*Chicago.*
Herdien, Walter Laurance, A.B., Northwestern University.	*Galva.*
Hinman, Benjamin Pearce, Jr., A.B., Lake Forest University.	*Lake Forest.*
Hockberger, William,	*Chicago.*
Hunt, Charles Lathrop,	*St. Charles.*
Irwin, Royal Wentworth,	*Chicago.*
Jackson, Andrew Oliver, A.B., Lake Forest University.	*Lake Forest.*
King, Robert Allen,	*Chicago.*
King, William Joseph, A.B., St. Mary's College.	*Chicago.*
Kralovec Otto John,	*Chicago.*
Latimer, Jonathan Grey, B.S., Knox College.	*Abingdon.*
Lough, Clarence Roland,	*Chicago.*
Marsh, Edwin Franklin,	*Chicago.*
McCarthy, William Daniel,	*Ponca, Neb.*
Millard, Everett Lee, A.B., Harvard University.	*Highland Park.*
Morley, Walter Kelly,	*Chicago.*
Mulberger, Arthur, A.B., University of Wisconsin.	*Watertown, Wis.*
Napheys, Horace Kisterbock,	*Chicago.*
Neff, George,	*Chicago.*
Page, Cecil, Ph.B., University of Chicago.	*Chicago.*
Patterson, Stewart, A.B., Yale University.	*Chicago.*
Raymond, Jules Norton, B.S., Northern Indiana Normal College; Ph.B., Northwestern University.	*Evanston.*
Rodenberg, Albert David, A.B., Central Wesleyan College.	*Decatur.*
Savage, John Howard,	*Marley.*
Schaffner, Walter,	*Chicago.*
Senseman, Thomas Lueders,	*Chicago.*

Spiesberger, Herbert Teller,	*Chicago.*
Spooner, Frank Vallette,	*Chicago.*
Stevenson, Benjamin Clifford,	*Chicago.*
Tilton, Floyd James,	*Rochelle.*
Timke, Julius Jacob,	*South Elmhurst.*
Waterman, Howard Wayne, A.B., Harvard University.	*Chicago.*
Wemple, Charles Francis, B.S., Illinois College.	*Waverly.*
Wing, Edwin Willitts,	*Elgin.*
Woodley, George Norris,	*Evanston.*
Young, Nelson Lyman,	*Chicago.*
Young, Walter George,	*Chicago.*

SECOND YEAR STUDENTS.

(Candidates for graduation in 1901.)

Amory, Edward,	*Chicago.*
Anderson, William France, A.B., University of Chicago.	*Chicago.*
Arthur, Helen,	*Chicago.*
Baldwin, George Benjamin, A.B., Lawrence University.	*Appleton, Wis.*
Bryant, John Morrison, Jr.,	*Chicago.*
Burchell, Francis William,	*Chicago.*
Childs, Lester Coffeen, A.B., Beloit College.	*Hinsdale.*
Chipman, Reeve,	*Chicago.*
Cleveland, Don,	*Newark.*
Colby, Elhanan Wayne,	*Libertyville.*
Cook, Raymond Capron, A.B., Brown University, C.E., Brown University.	*Woonsocket, R. I.*
Coy, Harry Irus, A.B., University of Chicago.	*Chicago.*
Demareth, Nicholas,	*Ohio.*
Dietz, Godlove Orth,	*Onarga.*
Dobyns, Fletcher, A.B., Harvard University.	*Chicago.*
Galt, Arthur Thomas, A.B., Yale University.	*Chicago.*
Garrett, James Ralph,	*Macomb.*
Gilbert, Barry, A.B., Northwestern University.	*Cairo.*
Gould, Aaron Joe,	*Bone Gap.*
Greenbaum, Julius Curtis, Ph.B., University of Chicago.	*Chicago.*
Hale, William Browne, A.B., Yale University.	*Chicago.*
Ham, Edward Randolph, A.B., Dartmouth College.	*Kezar Falls, Me.*

Hamilton, George Henry, B.S., Olivet College. A. B., Harvard University.	*Watseka.*
Harrington, Howard Woodford,	*Watseka.*
Hawes, John Dunham, A.B., Yale University.	*Chicago.*
Holmes, Clarence Hoyt, A.B., Harvard University.	*Chicago.*
Hopkins, Richard Joseph,	*Garden City, Kas.*
Hunter, Joseph Andes,	*Rockford.*
Huppers, Harry Charles,	*Beardstown.*
Hurlburt, Harry Rogers, A.B., University of Michigan.	*Chicago.*
Jackson, David Henry, A.B., Lake Forest University.	*Lake Forest.*
Jeffreys, Ivor, A.B., Oberlin College.	*Hubbard.*
Johannes, Edward Felix,	*Chicago.*
Johnson, Quintard, B.S., Amherst College.	*Chicago.*
Kropf, Oscar Armien, A.M., Washburn College.	*Chicago.*
Lederer, Charles William, Ph.B., University of Chicago.	*Chicago.*
Luby, Clarence Joseph, B.L., Wisconsin University.	*Hurley, Wis.*
McIntyre, Moses Dwight, A.B., University of Chicago.	*Chicago.*
Malo, Stephen Charles,	*Milford.*
Meyer, Sidney,	*Chicago.*
Miller, George Haven,	*Evanston.*
Moorhead, Forest George,	*Fredonia, Pa.*
Murrin, Ben Benson,	*Belvidere.*
North, Percy Elliott,	*Carbondale.*
Oggel, E. Christian,	*Orange City, Ia.*
Otis, William Kitchen, A.B., Harvard University.	*Chicago.*
Patterson, Theodore Hiram,	*Chicago.*
Rawlins, Edward William,	*Evanston.*
Richards, Louis, Ph.G., Northwestern University.	*Richards.*
Richmond, Paul,	*Oak Park.*
Ryder, Jacob Albert,	*Kansas City, Mo.*
Shurtleff, Walter Henry,	*Austin.*
Smiley, Edwin Pillsbury, A.B., Yale University.	*Chicago.*
Stephan, George,	*Chicago.*
Steele, Robert King, A.B., Toronto University.	*Chicago.*
Street, Norman Arthur, A.B., Yale University.	*Chicago.*

Swett, Frank Wentworth, *Chicago.*
Trumbull, Donald Shurtleff, A.B., *Chicago.*
University of Chicago.
Upton, Edward Clark, A.B., *Chicago.*
Yale University.
Ward, Clifton Trask, B.S., *Lowell.*
Northwestern Normal College.
Watson, George Balderston, A.B., *Chicago.*
University of Chicago.

FIRST YEAR STUDENTS.

(Candidates for graduation in 1902.)

Alexander, Fred, *Cannonsburg, Pa.*
Ashton, Edgar Lowell, A.B., *Blanchester, O.*
Ohio Wesleyan University.
Blatchford, Eliphalet Huntington, A.B., *Chicago.*
Amherst College.
Bloom, Aaron Leopold, A.B., *Chicago.*
Harvard University.
Brown, Frederick Augustus, A.B., *Chicago.*
University of Chicago.
Brunn, Sidney Louis, *Seattle, Wash.*
Buntain, Cassius M. Clay, A.B., *Englewood.*
Northwestern University.
Cassell, Ralph Joseph, *Kalamazoo.*
Cermak, Jerome Jeremiah, *Chicago.*
Davis, Abel, *Chicago.*
Dickinson, William Reynolds, A.B., *Chicago.*
Harvard University.
Dolph, Hugo, *Omaha, Neb.*
Kalmar College, Sweden.
Eichberg, William Natahan, *Chicago.*
Ellis, John, *Wheaton.*
Falter, Frederick William, *Chicago.*
Fischer, Edgar Bernhardt, *Addison.*
Flentye, Walter Frank, *Glen View.*
Foote, Albert, *Chicago.*
Frank, Charles Sigmund, *Chicago.*
Freeman, Charles Yoe, A.B., *Cleveland, O.*
Princeton University.
Fuller, Allan, *Chicago.*
Giles, George Daniel, *Waukegan.*
Gray, Paul Alexander, *Chicago.*
Green, Charles Henry, *Freeport.*
Gruetter, Theodore William, *Chicago.*
Hack, Frederick Charles, A.B., *Chicago.*
University of Chicago.
Hadley, Charles William, B.L., *Wheaton.*
Wheaton College.

Hamlin, John Egbert,	*Salem.*
Harris, Norton,	*Aurora.*
Hayward, Jonathan Balcom, A.B., Harvard University; A.M., Harvard University.	*Neponset, Mass.*
Himebaugh, Clinton McKendre,	*Chicago.*
Holoch, Martin Roland,	*Macomb.*
Johnson, John,	*Chicago.*
Knowlton, Clarence Elliott,	*Rochester, Minn.*
Lemen, Denny Price,	*Council Bluffs, Ia.*
Lowrie, Alfred Richard, A.B., Yale University.	*Elgin.*
McCarthy, Alexander Joseph, A.B., Yale University.	*Chicago.*
MacChesney, Nathan William,	*Chicago.*
McDonald, John Peter,	*Chicago.*
Margolis, Bernard,	*Chicago.*
Mauzy, Amon,	*Chicago.*
Mercer, William Moffett, B.S., East Paw Paw Illinois Seminary.	*Aurora.*
Moore, Edward Coleman, A.B., Yale University.	*Moline.*
Osborn, Harper Elmer, A.B., Northwestern University.	*Sterling.*
Pfirshing, George, Ph.B., University of Chicago.	*Chicago.*
Plant, Thomas Jefferson, A.B., Northwestern University.	*Chicago.*
Radabaugh, Walter,	*Western Springs.*
Rogers, Roy Leon,	*Geneva.*
Robinson, Warner Hunt,	*Chicago.*
Ruther, George Edward, B.S., Northwestern University.	*Staunton.*
Thomsen and Von Colditz, Sandor,	*Chicago.*
Thomson, Charles Marsh, A.B., Washington and Jefferson College.	*Chicago.*
Tompkins, Alfred Foote,	*Oak Park.*
Topliff, Samuel, A.B., Bowdoin College.	*Evanston.*
Tucker, John Guy,	*Warrensburg.*
Turnell, Charles Allen,	*Kankakee.*
Uhrig, Thomas John,	*Chicago.*
Webber, Bernard Porter,	*Wenona.*
Weinfeld, Charles,	*Chicago.*
Willis, Oliver Perry,	*Elgin.*
Wing, Frederick Merritt,	*Evanston.*
Wyrick, Basil, B.S., Northwestern University.	*Chicago.*

SPECIAL STUDENTS.

(Not candidates for a degree.)

Baker, Horace Durand,	*Carthage, Mo.*
Bond, William Scott,	*Chicago.*
Cassidy, Michael Edward,	*Chicago.*
Clark, Matthew Edward,	*Chicago.*
Cole, Waller Robert,	*Chicago.*
Coolidge, Clarence Argyle, Ph.B., University of Michigan.	*Niles, Mich.*
Coonley, John Stewart, A.B., Harvard University.	*Chicago.*
Crane, George Joseph,	*Chicago.*
Dow, Lorenzo,	*Chicago.*
Dyer, Leonidas Bingley, A.B., Rio Grande College.	*Chicago.*
Erickson, Albert,	*Chicago.*
Files, Nathan Michael,	*Chicago.*
Gage, Asahel Willey,	*Wilmette.*
Glaeser, Charles,	*Chicago.*
Hawkes, Albert W.,	*Chicago.*
Heer, Alphonsus Aloysius,	*Chicago.*
Keats, Harry George,	*Chicago.*
Krause, John O.,	*Chicago.*
Levinson, Harry,	*Chicago.*
Loeb, Sigmund E.,	*Chicago.*
Mandioni, John Julius Cæsar,	*Chicago.*
Seipp, Philip Walter, University of Geneva, Switzerland.	*Chicago.*
Stanford, Arthur, Lucius,	*Evanston.*
Upatel, Henry,	*Chicago.*

THE SCHOOL OF PHARMACY.

COURSE FOR THE DEGREE OF PHARMACEUTICAL CHEMIST.

Clouse, Grace,	*Hope, Ind.*
Doggett, Lucy Frances,	*McKinney, Tex.*
Jehlik, Anton Josef,	*Chicago.*
Meyer, Edouard George,	*Chicago.*
Raquet, Emil Hartman,	*Aurora.*
Trowbridge, Leslie James,	*Marseilles.*

COURSE FOR THE DEGREE OF GRADUATE IN PHARMACY.

SENIORS.

Allen, Harry Wilber,	*Lima, O.*
Bacon, George Jerome,	*Somonauk.*
Baker, Louis Guy,	*Covington, Ind.*
Beck, Fred Oswald,	*Clinton, Ia.*
Blu, Harry,	*Milford.*
Bollenbach, George William,	*Galesburg.*
Bond, Harry England,	*Mt. Vernon.*
Bourns, William Livingstone,	*San Jose, Cal.*
Brashears, John Willis,	*Chicago.*
Brennan, Frank,	*Alliance, Neb.*
Broman, August John,	*Cambridge, Neb.*
Burnell, Eliza Woolley,	*Streator.*
Busse, William Fredrick,	*Alton.*
Clouse, Grace,	*Hope, Ind.*
Cohn, Bert William,	*Peru, Ind.*
Colaw, Orrie Omer,	*Rest, Kas.*
Cortright, Charles Nathan,	*Dixon.*
Dalziel, William Anton,	*Waukonda, S. D.*
Danek, Eric Jacob,	*Chicago.*
Daniel, William Andrew,	*Hogansville, Ga.*
Detrick, Hiram E.	*York, Neb.*
Dewell, Maud,	*Cushing, Ia.*
Dewey, Anson Cyrus,	*Hemlock, Wis.*

Diehl, Herman,	*Lanark.*
Doggett, Lucy Frances,	*McKinney, Tex.*
Dorr, Harry Arthur,	*Table Grove.*
Dulaney, Joseph Field,	*McKinney, Tex.*
Easley, John Robert,	*Alexandria, Neb.*
Elsner, Fred Hamroad,	*Chicago.*
Fallon, Charles Milton,	*Hot Springs, S. D.*
Farnsworth, Lee Eugene,	*Hill City, S. D.*
Fetherston, Samuel Hutchinson,	*Chicago.*
Figgen, Alfred Harry,	*Quincy.*
Flanders, Ruth Eunice,	*Elkhorn, Wis.*
Foxe, Fred Chandler,	*Riceville, Ia.*
Frank, Joseph Samuel,	*Chicago.*
Garlick, Jedediah,	*Fairview, Utah.*
Giffen, Roy R.	*Fowler, Cal.*
Goff, William Willis,	*Beaulieu, N. D.*
Grace, Paul,	*Harrisburg.*
Green, Claire Milton,	*Colfax.*
Gregg, Thomas Duncan,	*Harrisburg.*
Grenier, Achille Bettridge,	*Racine, Wis.*
Griffith, Edward Luke,	*Farm Ridge.*
Grotjan, Frederick Samuel,	*Rock Island.*
Harwood, Miner Flower,	*Strawberry Point, Ia.*
Hawley, Robert Coleman,	*Mound City.*
Heath, Bert Orcutt,	*Newfield, N. Y.*
Hebsacker, Carl L.,	*Cairo.*
Helm, George Herbert,	*Algonquin.*
Hennig, Charles Herman,	*Oshkosh, Wis.*
Hensley, Harry Yates,	*Clinton.*
Hewitt, Howard H.,	*Chenoa.*
Hoffman, Robert Perry,	*Bloomington.*
Hofmann, Frank Phillip,	*Ottumwa, Ia.*
Hoke, Volney George,	*Morris, N. Y.*
Hoover, Judson Wilkes,	*Mt. Pleasant, Ia.*
Hutzel, Joseph Charles,	*Ft. Wayne, Ind.*
Jackwitz, Norden,	*Decorah, Ia.*
Jewell, Bert,	*Dodgeville, Wis.*
Johnson, William,	*Chicago.*
Julian, Harry William,	*Leland.*
Keeler, Walter Centennial,	*Freeport.*
Kidder, Thomas Chase,	*Monica.*
Klossoski, Frank John,	*Dixon.*
Knick, William John,	*Chicago.*
Kretschmer, Herman,	*Chicago.*

Kriebs, Frank Delbert,	*Elkport, Ia.*
Lambrecht, John Richard,	*Chicago.*
Lamm, John Joseph,	*Decorah, Ia.*
Lemke, Charles Herman,	*Chicago.*
Le Saulnier, Albert Frederick,	*Red Bud.*
Loesing, August Christian,	*Sheboygan, Wis.*
Lutz, John Erwin,	*Puyallup, Wash.*
Marquette, Will George,	*Watertown, Wis.*
Martin, Sanford Alonzo,	*Heyworth.*
McComb, Ernest Hubert,	*Lebanon, Mo.*
Meehan, Louis Florence	*Waterloo, Ia.*
Mercer, Glenn Henry,	*Liberty.*
Merritt, Clyde Alvin,	*Meadville, Pa.*
Meyer, Edouard George,	*Chicago.*
Meyer, Walter Paul,	*Morton, Minn.*
Miller, Carroll Martin,	*Laurens, S. C.*
Mott, Dana Willis,	*Chicago.*
Mueller, William Daniel,	*Chicago.*
Muesse, Fred William,	*Lancaster, Wis.*
Norton, Paul Stewart,	*Normal.*
Nyman, Charles Victor,	*Batavia.*
O'Leary, Daniel James,	*Chicago.*
Pease, Everett J.	*Lowell, Wis.*
Phillips, William Chambers,	*Clarinda, Ia.*
Reaugh, George,	*Rock Island.*
Reed, Frederick Glyde,	*Quincy.*
Reed, Walter Henry,	*Corning, N. Y.*
Renaud, Joseph Thomas Ubald,	*Perth, Ont., Can.*
Roby, George Hewitt,	*Chicago.*
Roemer, Herman,	*Mt. Pulaski.*
Schmidt, Hugo,	*Oshkosh, Wis.*
Selby, James Joseph,	*Peoria.*
Serr, Peter L.	*Scotland, S. D.*
Shaffer, Sadie,	*Redfield, Mich.*
Soleman, Fred Armstrong,	*Tama, Ia.*
Stewart, David Everett,	*Greenwood, Wis.*
Street, Sidney Beman,	*Columbus, Miss.*
Talty, Nicholas Aloysius,	*Waterloo, Ia.*
Thatcher, Aaron Mumford,	*Meadville, Pa.*
Vasumpaur, Rudolph Robert,	*Chicago.*
Wachowski, John George,	*Chicago.*
Walbridge, Ernest Lucien,	*Beloit, Wis.*
Weaver, Harold Townsend,	*Schuyler, Neb.*
Woelke, Edward Charles,	*Chicago.*

Wold, Walter Edward,	*Austin, Minn.*
Wright, George Irving,	*Klamath Falls, Ore.*
Wright, Walter Woodruff,	*Adrian, Mich.*
Zillig, John Adam, Jr.,	*Dubuque, Ia.*
Zinn, Herman,	*Oshkosh, Wis.*

JUNIORS.

Alexander, Frank Russell,	*Fairfield.*
Alyea, Willard Signor,	*Princeville.*
Arnold, Thomas Earle,	*Hastings, Neb.*
Bach, Engelbert, Jr.,	*Taylorville.*
Bailey, William Lewis,	*Pioneer, O.*
Barnett, William Alfred,	*Springfield.*
Barnum, William Lewis,	*East San Jose, Cal.*
Barrett, Marquis De Lafayette,	*Newcastle, Cal.*
Bedford, Clifton Crews,	*Mansfield.*
Bennett, Abram Edgar,	*Compton.*
Berry, Everly Nelson,	*McCook, Neb.*
Booth, Jacob Frederick,	*Springfield.*
Bowles, La Foy Earle,	*Normal.*
Brecht, Ernest Adolph,	*Yankton, S. D.*
Brown, Charles William,	*Chicago.*
Brown, Samuel William,	*Ringwood.*
Campbell, William,	*Neillsville, Wis.*
Carpenter, Cyrus Clay,	*Fort Dodge, Ia.*
Carter, Odus,	*Georgetown.*
Case, Karl Sheldon,	*La Grange, Ind.*
Clough, Walter Rogers,	*Beaver Dam, Wis.*
Crouch, Archibald Green,	*Kenilworth, O.*
Danek, Eric Jacob,	*Chicago.*
Detrick, Charles Daniel,	*Springfield.*
Dunlop, William Douglas,	*Chicago.*
Duntley, George Silas,	*Bushnell.*
Eberlein, Arthur,	*Chicago.*
Eldred, Allan Brace,	*Carrollton.*
English, James Turney,	*Carrollton.*
Evanson, Axel Alfred,	*Portland, N. D.*
Ferris, Vera Edna,	*Paris.*
Finkelstein, David Edwin,	*Chicago.*
Fisher, Solomon Ossa,	*Glen Rock, Neb.*
Fortune, Benjamin Leslie,	*Memphis, Tenn.*
Frank, Sol Paul,	*Chicago.*
Frison, Charles Frederick,	*Champaign.*
Gabrielson, Joseph Arthur,	*Chicago.*
Geddes, Mamie Cordelia,	*Starlake, Wis.*

Geiger, Claude Winfield,	*Pueblo, Colo.*
Graham, Harry Townsend,	*Wauconda.*
Green, Charles Edward, Jr.,	*Painesville, O.*
Groves, James Oliver,	*Decorah, Ia.*
Haase, Edwin C.,	*Waverly, Ia.*
Hall, Clarence Henry,	*Cherokee, Ia.*
Hamel, Arthur William,	*Ludington, Mich.*
Hammett, Charles Alfred,	*East Chicago, Ind.*
Hastings, Patrick Henry,	*Bailey, Ia.*
Holloway, Clifford Lewis,	*Wing.*
Hood, Harry Alling,	*Crete.*
Hough, George Pringle,	*Clayton.*
Hough, Harry Albert,	*Compton.*
Howe, Wilfred Earl,	*Pueblo, Colo.*
Hughes, Arthur Samuel,	*Omro, Wis.*
Hughes, Martha Jane,	*Omro, Wis.*
Hutchinson, Samuel Sheffield,	*Chicago.*
Jackson, Harry A.,	*Aledo.*
Jennisch, Johannes Immanuel,	*Rock Island.*
Johnston, Robert Currie,	*Aledo.*
Jones, Edgar Alba,	*Milford.*
Katz, Bernard Gerson,	*Yankton, S. D.*
Kelly, Edward James,	*Chicago.*
Knicks, Leopold Frank,	*Joliet.*
Koenig, George Washington,	*Le Mars, Ia.*
Langerak, H. M.,	*Pella, Ia.*
Leonard, Arthur Joseph,	*Fond du Lac, Wis.*
Lewis, Martin,	*St. Paul, Neb.*
Lindbaum, Roland Henry,	*Whitewater, Wis.*
Lonergan, Robert Augustus,	*Waterloo, Ia.*
Lunneen, Daniel Henry,	*Carrollton.*
McKinney, William Nelson,	*Mt. Pulaski.*
Nader, Frank Albert,	*Chicago.*
Norton, Clayton John,	*St. Paul, Neb.*
Obenland, A. E.,	*Pomeroy, Wash.*
Ogle, Ellen,	*Westfield, Wis.*
Parker, Korah, A.,	*Rensselaer, Ind.*
Perry, Jesse Reed,	*Rhodes, Ia.*
Pettersen, Alfred,	*Chicago.*
Plummer, Ross Mills,	*Portland, Ore.*
Potterveld, William Thomas,	*Dubuque, Ia.*
Prindle, Charles Walley,	*Sharon, Wis.*
Purcell, Ora,	*North Bend, Neb.*
Roberts, Rector Preston,	*Savoy, Tex.*

Sadlier, Peter Martin Ambrose,	*De Witt, Ia.*
Sampson, Sigward Fernando,	*Yankton, S. D.*
Sanoica, Walter Adam,	*Chicago.*
Saylor, Frank Elmer,	*Falls City, Neb.*
Schmid, Louis August,	*Chicago.*
Schoenholtz, John,	*Connersville, Ind.*
Schottenfels, Richard Adolphus,	*Chicago.*
Schroeter, Paul Alfred,	*Chicago.*
Scroggy, John Quincy Adams,	*Waterloo, Ia.*
Sloan, Hal,	*Mt. Vernon, Mo.*
Smith, Karl William,	*Oxford, O.*
Sparks, George Augustus,	*Chicago.*
Spaulding, William Herbert,	*Villa Ridge.*
Stadle, Harvey Frederick Christian,	*Chicago.*
Stephan, Charles Willard,	*East Dubuque.*
Stibgen, Robert Hayes,	*Freeport.*
Sweeting, James Leslie,	*Normal.*
Thelen, Karl,	*Shelby, Neb.*
Threlkeld, Robert H.,	*Harrodsburg, Ky.*
Toland, W. J.,	*Springville, Mich.*
Townsend, William Wilkins,	*Flomaton, Ala.*
Wald, George Wilhelm,	*Marinette, Wis.*
Wallace, W. L.,	*Chicago.*
Warren, Otis Walter,	*Tower Hill.*
Watson, Charles White,	*Springfield.*
White, John Franklin,	*Chicago.*
Williams, Edward,	*Ironton, Mich.*
Willson, Tom Bell,	*Hartington, Neb.*
Woelffer, Victor Carl,	*Lake Mills, Wis.*

SPECIAL STUDENT.

Gray, Maggie M.,	*Chicago.*

THE DENTAL SCHOOL.

SENIOR CLASS.

Ackers, Charles Franklin,	*Logan, O.*
Ahlenfeld, Theodore,	*Chicago.*
Alderson, Thomas Edward,	*Dubuque, Ia.*
Anderson, Alexander George,	*Decorah, Ia.*
Andrews, George Jay,	*Wever, Ia.*
Barker, Oakley Moses,	*Braidwood.*
Bayne, James Wheeler,	*Warren.*
Beebe, Frank Chester,	*Villeska, Ia.*
Beck, Robert Wilfred,	*Dewey.*
Becker, Ottmar Albert,	*Oshkosh, Wis.*
Bell, Alfred Millen,	*David City, Neb.*
Black, Arthur Davenport,	*Chicago.*
Blane, Lee Edison,	*Greenview.*
Blass, Deabolt Michael,	*Portage, Wis.*
Bloom, Frank,	*Center City, Minn.*
Bloomingdale, John Edwin,	*Nebraska City, Neb.*
Bolster, Vinton Veazey,	*New York City.*
Borovik, Borris Maurice,	*Chicago.*
Bower, Willis Harrison,	*Sheridan.*
Brandt, William Frederick,	*Walnut, Ia.*
Bronson, Archibald Franklin,	*Waterloo, Ia.*
Brooks, James Howard,	*Yankee Springs, Mich.*
Brooks, May Lorena,	*Memphis, Tenn.*
Brown, Boyd Crandall,	*Freeport.*
Brown, George Edward,	*Alexis.*
Butler, Walter Pilling,	*Chicago.*
Cannon, Ralph M.,	*Streator.*
Carney, Edward B.,	*Wellman, Ia.*
Case, Rolland Theron,	*Baraboo, Wis.*
Chesebro, Miles Bennett,	*Shell Rock, Ia.*
Chilson, Henry Lee,	*Appleton, Wis.*
Clark, Adelbert David,	*Charles City, Ia.*
Clark, Thomas,	*Billings, Mont.*
Collie, Winfred Ross,	*Lake Geneva, Wis.*

Converse, Charles Henry,	*Irving Park.*
Cooley, Frank Dennis,	*Laporte, Ind.*
Cornish, Marshall Sanford,	*Vernon Center, Minn.*
Costello, Daniel,	*Smithfield, Minn.*
Courtney, Walter George,	*Chester, Ia.*
Craver, Alva Sumner,	*Harvey.*
Crooks, William Bennett,	*Crawfordsville, Ia.*
Cushway, Bert Charles,	*Mackinac Island, Mich.*
Cutter, Arthur Lucas,	*Chicago.*
Darling, Andrew Delos,	*So. Chicago.*
Davenport, Frank W.,	*Eureka.*
Davidson, William Edward,	*Holdrege, Neb.*
Demling, Edward Arthur,	*Chicago.*
Dessaint, Lewis R.,	*Davenport, Ia.*
Dix, Alfred John,	*Mitchell, S. D.*
Drew, Rupert C.,	*Fairfax, Vt.*
Dryden, Frederick Addison,	*Chicago.*
Dueser, Fritz Henry,	*Davenport, Ia.*
Duffy, Bernard Alfred,	*Joliet.*
Eisenstaedt, Moses,	*Chicago.*
Fisk, Frederick Darling,	*Chicago.*
Flanagan, Lawson Holland,	*Chicago.*
Formanack, George James,	*Carthage, S. D.*
Frank, Harris Joseph,	*Chicago.*
Free, George Walter,	*Albion, Mich.*
Frieseke, Albert Julius,	*Owasso, Mich.*
Furman, Walter Orval,	*Miller, S. D.*
Gainforth, Silas Philo,	*Holdrege, Neb.*
Gietzen, Charles Henry,	*Humphrey, Neb.*
Gillette, Clayton Omer,	*Chicago.*
Goldthorp, Francis Joseph,	*Chicago.*
Goodson, Lewis Jay,	*Chicago.*
Green, William Emory,	*Mendon, Ill.*
Grunn, Albert Parker,	*Pipestone, Minn.*
Hamilton, Gail Washburn,	*Council Bluffs, Ia.*
Hammond, Charles Richard,	*Chicago.*
Harlan, Catherine Harriett,	*Glenwood, Ia.*
Harlan, Thomas Stephen,	*Glenwood, Ia.*
Hastings, Mary Georgia,	*Warrensburg, Mo.*
Helmer, Madeline Matilda,	*Omaha, Neb.*
Henning, Frank Paul,	*Morgan, Minn.*
Herz, Hugo,	*Akron, O.*
Hirtzel, John,	*Shumway.*
Hirsekorn, Mary Anna,	*Neubrandenburg, Germany.*

Hopf, George Arnold,	*Blue Island.*
Hogan, William E.,	*Chicago.*
Hollingsworth, Robert Selwyn,	*Belvidere.*
Hollingsworth, William Gravard,	*Lexington, Miss.*
Humphrey, William Thomas,	*Cordova.*
Hunt, Frederick Miles,	*Atlantic, Ia.*
Idler, Percy Benjamin DeWitt,	*Chicago.*
Jarvis, Frank Gordon,	*Benton Harbor, Mich.*
Jennings, George Paul,	*Omaha, Neb.*
Johnson, David Arthur,	*Fort Atkinson, Wis.*
Johnson, Oscar Theodore,	*Chicago.*
Johnson, Waldo Paschal,	*Elgin.*
Jones, John Clarence,	*Ottumwa, Kas.*
Kaake, William Albert,	*Kinloss, Ont.*
Kratz, William Frederick,	*Burlington, Ia.*
Keith, Robert Paul,	*Chicago.*
Kirkwood, Murray William,	*Wichita, Kas.*
Kotler, Frank George,	*Vinnitza, Russia.*
Lamberson, Gertrude Eleanor,	*Portland, Ore.*
Larson, Henry Charles,	*Hastings, Minn.*
Lemmon, Franklin Ellsworth,	*Chicago.*
Liggitt, Richard Clayton,	*Chicago.*
Leutscher, John Ulrich,	*Mondovi, Wis.*
Malony, John Henry,	*Red Oak, Ia.*
Mashek, Jarosh V.,	*Prague, Austria-Hungary.*
McCallin, Sidney Gilmore,	*Waukesha, Wis.*
McCluskey, Floyd Mathew,	*Glenwood, Ia.*
McDermott, Peter George,	*Darlington, Wis.*
Macdonald, Alexander Ray,	*Chicago.*
McDonnell, Elizabeth Jennie,	*Chicago.*
McGregor, Gregor,	*Winnipeg, Man.*
McIntosh, Robert Levi,	*Syracuse, N. Y.*
Merritt, Earl,	*Bristol, Ind.*
Mess, Frederick Julius,	*Orillia, Wash.*
Meyer, Walter Fred,	*Burlington, Ia.*
Mielke, Frank Edward,	*Shawano, Wis.*
Miller, Oscar Hulburd,	*Chicago.*
Methven, Houston French,	*Chicago.*
Moffatt, George Snow,	*St. Joseph, Mich.*
Moore, Norman Henry,	*Howard City, Mich.*
Morton, Alice,	*LaCrosse, Wis.*
Morton, Orla D.,	*Hobart, Ind.*
Mutchmor, Arthur August,	*Emerson, Manitoba.*

Mullen, Charles,	*Prairieville, Mich.*
Munn, Royal Bernard,	*Freeport.*
Murray, Charles Austin,	*Chester, Ia.*
Neill, John Brawley,	*Faulkville, Ala.*
Orr, Clark,	*Chicago.*
Osher, Julius C.,	*Hecla, S. D.*
Oyster, Henry William,	*Villisca, Ia.*
Park, William Smith,	*Richmond, Ky.*
Parks, George Alexander,	*Shelton, Neb.*
Patten, John Free,	*Chicago.*
Payne, Ira A.,	*Houston, Minn.*
Peak, Charles Albert,	*Salt Lake City, Utah.*
Pence, Henry Clay,	*Pana.*
Persons, Albert Dodge,	*Desplaines.*
Peterson, Adolph,	*Worcester, Mass.*
Peterson, Elmer Christian,	*Sheffield.*
Peterson, Edwin J.,	*Elbow Lake, Wis.*
Peterson, Octave William,	*Omaha, Neb.*
Philpot, Cory Allen,	*Tecumseh, Neb.*
Pierce, Chase Hale,	*Des Moines, Ia.*
Pitts, John Frederick,	*Chicago.*
Pollard, George Alfred,	*Canton, Ont.*
Pooler, Lemuel Fiske,	*Evanston.*
Potter, Albert Byron,	*Beulah, Kas.*
Potter, Edgar Chauncey,	*Sheldon.*
Powell, Edward Foster,	*Sioux City, Ia.*
Prettyman, Homer Lewis,	*Bryan, Ohio.*
Pritchett, Ross Allen,	*Whitehall.*
Probst, John George,	*Hartford, Wis.*
Ransdell, Bennett Frank,	*Campines, Brazil, S. A.*
Read, Charles Herbert,	*Ogden, Ia.*
Reedy, William Lincoln,	*Towanda.*
Rehnstrom, Joseph Ernest,	*Sioux City, Ia.*
Robeson, Mary Gluesing,	*Moline.*
Robinson, Rome Holmes,	*Chicago.*
Rohwedder, Herman Harry,	*Davenport, Ia.*
Rood, Albert Brown,	*Chicago.*
Ronna, Julius,	*Walnut, Ia.*
Rusco, George Byron,	*West Bend, Wis.*
Safford, Margaret Louisa,	*Hamilton.*
Sandblom, John Nicholas,	*Stockholm, Sweden.*
Saxe, Jollie Noble,	*Delavan, Wis.*
Schiff, David C.,	*Chicago.*

Schoenbrod, Maurice Solomon,	*Chicago.*
Schumacher, Katherina,	*Chicago.*
Seiler, Agnes,	*Muscatine, Ia.*
Serwe, Rudolph,	*Fond du Lac, Wis.*
Shewey, Charles Parsons,	*Chicago.*
Slaven, James,	*Reedsburg, Wis.*
Smalley, Claude Everett,	*Sheldon.*
Smith, Otto Bert,	*Joliet.*
Smith, Walter Clarence,	*Casey.*
Snyder, McGuire,	*Lafayette.*
Spessard, Edward William,	*Ainsworth, Ia.*
Stebbins, George Lyman,	*Aurora.*
Stephens, Arthur Goode,	*Robinson.*
Stevens, Bert Louis,	*Lexington.*
Taylor, Elmer Duncan,	*Smithfield, Neb.*
Teeter, Mahlon Henry,	*Monticello, Ia.*
Thill, Henry Raymond,	*E. Dubuque.*
Thompson, John Cross,	*Dwight.*
Tims, Frank B.,	*Tama, Ia.*
Tomlin, Frank Byron,	*Pleasant Plains.*
True, Frank Dayton,	*Northwood, Ia.*
Wagoner, William Edgar,	*Marion, Ind.*
Walsh, Charles Heavysege,	*Winnipeg, Manitoba.*
Warner, Burnet Dewey,	*Chicago.*
Watkins, Harry Wiltse,	*Chicago.*
Weaver, Frank Bradford,	*Churubusco, Ind.*
Welsh, John Ellis,	*Chicago.*
West, Jesse Alden,	*Greenfield, Ia.*
Whitman, Edward Wallace,	*Ashland, Cal.*
Wickey, J. Russel,	*Chicago.*
Willson, Charles William,	*Waterloo, Ia.*
Wilson, William Harlow,	*Fort Atkinson, Wis.*
Wolf, William C.,	*Kansas City, Mo.*
Wolfrum, Richard,	*West Bend, Wis.*
Worsley, Willard Joseph,	*Tinley Park.*
Wygant, Harry Edward,	*Jackson, Mich.*

MATRICULATED BUT NOT IN ATTENDANCE.

Conover, James Furman.	Thompson, Edna Maude.
O'Brien, James Henry.	Unger, Isador.
Pyle, D. F.	Whinnery, Jean Carrol.

Williams, Clarence Aaron.

JUNIOR CLASS.

Ackerman, Charles,	*Chicago.*
Adkins, Robert Alfred,	*Elgin.*
Akers, John Rankin,	*Des Moines, Ia.*
Allison, Richard John,	*Spokane, Wash.*
Anderson, Morley Walton,	*Wetmore, Mich.*
Atterberry, James Graham,	*Tecumseh, Neb.*
Austin, Emery R.,	*Jones, Mich.*
Austin, John Franklin,	*Dowagiac, Mich.*
Baasen, John B.,	*New Ulm, Wis.*
Baldwin, Arthur,	*Joliet.*
Baldwin, James Otho,	*Springfield.*
Bartlett, Thomas Dell,	*Forsyth.*
Beadles, Robert Oscar,	*Quincy.*
Behm, Louis John,	*Chicago.*
Benson, Joseph Lambert,	*Magnolia, Ia.*
Bevan, James Ambrose,	*Kankakee.*
Bishopp, John Alfred,	*Sheldon.*
Blair, William Frederick,	*Pine River, Ontario.*
Bohman, Otto Ferdinand,	*Chicago.*
Boughton, Robert Lathrop,	*Chicago.*
Bowen, David Harley,	*Lewistown.*
Boysen, Harry Alvin,	*Dubuque, Ia.*
Bradshaw, Duane Franklin,	*Jefferson, Ia.*
Brock, Harry Martin,	*Chicago.*
Brown, Ferdinand V. Garretson,	*Sioux Falls, S. D.*
Burhans, Percy Alexander,	*Chicago.*
Burkhart, Charles Hickey,	*Liscomb, Ia.*
Butler, Josephine K.,	*Chicago.*
Butturff, Rolla Walter,	*Evanston.*
Carr, Samuel Lester,	*Epworth, Ia.*
Chapman, Wesley Harrison,	*Waukesha, Wis.*
Cogley, Peter B.,	*Emmet, Mich.*
Coleman, Thomas,	*Port Huron, Mich.*
Collins, George Merrill,	*Braidentown, Fla.*
Condaxopoulos, Elias Achilles,	*Smyrna, Turkey, Asia.*
Conley, Winifred,	*Cazenovia, Wis.*
Couvrette, George Joseph,	*Crookston, Minn.*
Copple, Enos Eli,	*Fullerton, Neb.*
Corbitt, George Burris,	*Verschoyle, Ont.*
Cromb, John Rutherford,	*Crookston, Minn.*
Cummins, Frank Lawrence,	*Plattsmouth, Neb.*
Daly, Thomas Hogan,	*Nora.*

Davis, Robert Kepler,	*Mount Vernon, Ia.*
Day, Ernest Walter,	*Austin, Minn.*
Deitch, Frank,	*St. Joseph, Mich.*
Dobson, George Henry,	*Le Grand, Ia.*
Doherty, Katharyne Alice,	*Berlin, Wis.*
Donahue, Michael Albert,	*Chicago.*
Dullam, Manley Stewart,	*Flint, Mich.*
Emery, Newton Wesley,	*Summitt, S. D.*
Ercanbrack, William Claude,	*Elburn.*
Falloon, William Henry,	*Evanston.*
Fawcett, Arthur Clayton,	*Marion, Minn.*
Fisher, Mary Agnes,	*Le Mars, Ia.*
Fleming, George K.,	*Ravenswood.*
Fosner, Ernest Abraham,	*Chicago.*
Frank, William Joseph,	*Ripan, Wis.*
Gansel, Alvin Robert,	*West Bend, Wis.*
Garrett, Frank Miles,	*Chicago.*
Gilchrist, Harry Alexander,	*New Brunswick, Can.*
Gilmore, John Michael,	*Lucknow, Ont., Can.*
Gordon, Howard Edward,	*Hobart, Ind.*
Glass, Alfred W.,	*Monmouth, Ill.*
Gray, William Wallace,	*Sioux Falls, S. D.*
Griffith, R. Allen,	*Chicago.*
Hacker, Albert Charles,	*Hartford, Wis.*
Hadfield, Harry Cook,	*Chicago.*
Hanna, Edward Alphonso,	*Chicago.*
Hansen, Ca. Theodore,	*Mankato, Minn.*
Hawkes, Arthur John,	*Kewanee.*
Hays, Thomas Albert,	*Wilmer, Minn.*
Heisey, David Judson,	*Monticello, Ia.*
Henline, Buell,	*Towanda.*
Hickman, Herbert Eugene,	*La Porte, Ind.*
High, Delbert B.,	*Montezuma, Ia.*
Hines, Frank Benjamin,	*Pontiac.*
Hoffer, James Jacob,	*Tacoma, Wash.*
Holaday, Stanley,	*Lake View, Ia.*
Holmes, Fred William,	*Chicago.*
Holmin, Oscar Renus,	*Chicago.*
Hopwood, Olive Camille,	*Kearney, Neb.*
Hotch, Louis Grant,	*Carthage.*
Howat, Aleck Densmore,	*Gardner.*
Hughes, David John,	*Harvey.*
Hull, Elmore Thellus	*Fort Atkinson, Wis.*
Ireland, Ora Dell,	*Monmouth, Ore.*

Isenberg, Hays M.,	*Green Mountain, Ia.*
Jarrett, Orro Johnson,	*Genoa Junction, Wis.*
Johnson, James Philip,	*Chicago.*
Jones, Carl Lewis,	*Richland Center, Wis.*
Jordan, William Henry,	*Chicago.*
Kempter, Anton Raymond,	*Alma, Wis.*
Kennedy, Arthur Inglesby,	*Ingersoll, Ont.*
Kennedy, James Madigan,	*Caledonia, Ont.*
King, William Jasen,	*San Francisco, Cal.*
Kingsbury, Archibald Morgan,	*Winona, Minn.*
Kluckhohn, Burdette Henry,	*Le Mars, Ia.*
Knapp, George Guy,	*Rocky Ford, Col.*
Koch, George Robert Ferdinand,	*New Ulm, Minn.*
Kramer, Charles Siamon,	*St. Paul, Neb.*
Kremers, Walter Gerhart,	*West Bend, Wis.*
Kruchevsky, Abe Samuel,	*Chicago.*
Krueger, George Eugene,	*Chicago.*
Lacy, Charles Benjamin,	*Sioux City, Ia.*
Laidlaw, John S.,	*Blyth, Ont.*
Landon, Vernon Orlando,	*La Porte, Ind.*
Latcham, Harry Earl,	*Jefferson, Ia.*
Light, Frank D.,	*Chicago.*
Linderoth, Nils Herman,	*Chicago.*
Looze, John Battiste,	*Chicago.*
Lovitt, Charles Oscar,	*La Harpe.*
Lunak, Joseph Francis,	*Chicago.*
Mahle, Arthur Augustus,	*Kewanee, Wis.*
Macdonald, John Rae,	*Chicago.*
Mack, George,	*Menominee, Mich.*
Mathisen, Philip Leopold,	*Evansville, Minn.*
Mathieu, Wesley John,	*St. Anne.*
Mathews, Duaine Lynn,	*Woodbine, Ia.*
McAllister, Renaldo Eugene,	*Chicago.*
McCarty, William H.,	*Chicago.*
McCormack, Arthur J.,	*Clemons, Ia.*
McCrum, Thomas Benton,	*Huntington, Ind.*
McCulloch, Thomas Herbert,	*Wallace, Idaho.*
McGillicuddy, Katherine E.,	*Valparaiso, Ind.*
McGowan, John Stewart,	*Blyth, Ont.*
McMaster, William David,	*Maynard, Ia.*
McMennamy, Francis Earl,	*Chicago.*
McQuarrie, Kenneth,	*Orangeville, Ont.*
McVay, Augustus B.,	*Wyoming.*
Meeks, Daniel Homer,	*Chicago.*

Meves, Otto Charles,	*Wheatland, Ia.*
Meyerhoff, Charles Leslie,	*Villisca, Ia.*
Miller, Charles S.,	*Chicago.*
Miller, Frederick,	*Spring Grove, Minn.*
Miller, Gus,	*Platteville, Wis.*
Milligan, Edward Luke,	*Winnipeg, Man.*
Moore, Arthur Timothy,	*Chicago.*
Moore, Edward Clements,	*Elgin.*
Mueller, Frida,	*Chicago.*
Nations, Hugh S.,	*Camp Point.*
Nelson, John Peter,	*Chicago.*
Nelson, Lewis J.,	*Sechlerville, Wis.*
Nelson, Melvin Ray,	*Morrison.*
Newton, Herman Christian,	*River Falls, Wis.*
Nisbet, Marshall D.,	*Harlington, Neb.*
Northwood, Reginald Charles,	*Chatham, Ont.*
Nunn, Webster Hamblin,	*St. Paul, Neb.*
Page, Myrtle Jane,	*North Freedom, Wis.*
Pellett, Fredrick Nelson,	*Freeport.*
Pershing, Royal Strong,	*Henry.*
Petry, John,	*Beaver Dam, Ind.*
Phillips, Herbert,	*Chicago.*
Pottle, Curtis Brackett,	*Plainville.*
Puckett, Harry Clayton,	*Nora.*
Purcell, William Michael,	*Streator.*
Render, Alonzo Clarence,	*Edmond, Okla.*
Read, Ervin Clifton,	*Ogden, Ia.*
Reece, John S.,	*Normal.*
Reid, William Hutchinson,	*Chicago.*
Richards, George Theobald,	*Madison, Wis.*
Rossteuscher, Charles Ferdinand,	*Yankton, S. D.*
Shless, Abe Lewis,	*Chicago.*
Schneider, Adolph Emil,	*Nebraska City, Neb.*
Schneider, Leonard Julius,	*Nebraska City, Neb.*
Schulze, Herman Julius,	*Two Harbors, Minn.*
Sears, Harry Elmer,	*Chicago.*
Sexmith, Lyman,	*Fond du Lac, Wis.*
Shanks, Robert Edward,	*Spokane, Wash.*
Shay, William,	*Chicago.*
Siebecker, William David,	*Merrimac, Wis.*
Sinks, Omer Francis,	*Rochester, Ind.*
Smock, Grant Hibbard,	*Meadville, Pa.*
Smith, Charles William,	*Waukegan.*
Smith, Ernest Ray,	*New Richmond, Wis.*

Stevenson, Robert Alexander,	*St. Paul, Minn.*
Stoffel, Earl Noble,	*Mechanicsville, Ia.*
Stroeter, George William,	*Kearney, Mo.*
Spalding, John Grant,	*Towanda, Pa.*
Stokes, Hiram Chandler,	*Kewanee.*
Stapleton, Clyde Lester,	*Bloomington.*
Strauss, Milton William,	*Huntington, Ind.*
Sweeney, James Thomas,	*Sheldon, Ia.*
Swensen, Rudolph Julius,	*Chicago.*
Thomas, William Albert,	*Chicago.*
Thompson, Joseph Ferdinand,	*La Crosse, Wis.*
Treen, Thomas Ottaway.	*Seattle, Wash.*
Trinkaus, Jacob Louis,	*Pekin.*
Tristram, George Thomas,	*Astoria, Ore.*
Trumbull, Rollin Smith,	*Chicago.*
Vogan, J. Wilbur,	*Crowley, La.*
Wait, Mark Leroy,	*Reynolds.*
Walsh, William Henry,	*Chicago.*
Wentworth, George Wilton,	*Marinette, Wis.*
Werner, Edward August,	*Hillsdale, Mich.*
Whitson, Oscar Leroy,	*Clinton, Ia.*
Wickham, John E.,	*Benton Ridge, O.*
Wilber, Charles Oren,	*Oconomowoc, Wis.*
Williams, Evart Velie,	*Dodgeville, Wis.*
Wilson, Earl Emmons,	*Minnesika, Minn.*
Wisman, Oscar James,	*Delta, O.*
Wolfe, Morris Russell,	*Parsons, Kas.*
Wyatt, Eugene Ripley,	*Newbern, Tenn.*
Young, Merle Demster,	*Bloomington.*

MATRICULATED BUT NOT IN ATTENDANCE.

Engel, George Lewis,	Ruckman, Robert Jasper.
Rea, Martha Olive,	Wenrich, Ray.

FRESHMAN CLASS.

Allan, Maxwell Sedgwick,	*Sydney, Australia.*
Ausman, William Dresden,	*West Superior, Wis.*
Austin, Raymond M.	*Spokane, Wash.*
Baker, Josiah William,	*Mendota.*
Bales, Emmor S.,	*Dexter, Ia.*
Bannister, Guy,	*Kalamazoo, Mich.*
Barber, Henry Edward,	*San Marcos, Tex.*
Bascombe, Clifford Henry,	*Okoboji, Ia.*

Baumgarth, Henry,	*Sauk City, Wis.*
Behm, John William,	*Grand Haven, Mich.*
Bell, John Rex,	*David City, Neb.*
Bergman, Arthur Gustave,	*Chicago.*
Berkey, Hugh Thomas,	*Goshen, Ind.*
Bilek, James V.,	*Chicago.*
Bixby, Raymond Lee,	*Liscomb, Ia.*
Bjerke, Hans Kristian,	*Christiana, Sweden.*
Blount, Anna L.	*Macomb.*
Blumenthal, Edwin Martin,	*Columbus, Wis.*
Bond, John Lafferty,	*Fowler, Ind.*
Borchers, Fred,	*Waterloo, Ia.*
Bouche, Louis F.,	*Winnepeg, Manitoba.*
Brandt, Carl Rudolph,	*Walnut, Ia.*
Brant, Claude,	*Bloomington, Ind.*
Burrill, Chester Leslie,	*Springfield, Minn.*
Bushnell, Charles W.,	*Rewey, Wis.*
Caldwell, Wm. Elliott Hughes,	*Wheeling, W. Va.*
Callow, Joseph Edward,	*Mineral Point, Wis.*
Campbell, Peter Alexander,	*Clinton, Ont., Can.*
Childs, Ralph Sherman,	*Wilmette.*
Colborn, Lewis Paul,	*Grafton, S. D.*
Constable, Roy Verner,	*Chicago.*
Cooney, Thomas,	*Chicago.*
Copple, Plenna Reuben,	*Fullerton, Neb.*
Corbin, Byron J.	*Chicago.*
Cory, William M.,	*Dowagic, Mich.*
Daniels, Charles Lyle,	*New Castle, Pa.*
Davis, Charles Everett,	*Platteville, Wis.*
Dorothy, Michael Joseph,	*Kingston, Ont., Can.*
Dryden, James Mair,	*Paisley, Ont., Can.*
Earle, Plyn,	*Grand Rapids, Mich.*
Eaton, Charles David,	*Normal.*
Eckford, John,	*Dunkeld, Ont., Can.*
Edgcomb, Charles Hackley,	*Chicago.*
Ellis, William Harry,	*Kusson, Minn.*
Fisher, Frank Edward,	*Camden, O.*
Flemming, James Clinton,	*Pepin, Wis.*
Foster, Charles Gelutiah,	*Wellman, Ia.*
Fredericksen, Charles Henry,	*Racine, Wis.*
Freese, Ernest C.,	*Stanford, Ind.*
Fuller, Clark Anthony,	*Eau Falls, Wis.*
Galligan, Thomas F.,	*Belmond, Ia.*
Geiger, Emil,	*Forrest.*

Gilchrist, Mont Rankin,	*New Brunswick, Can.*
Gill, John Hunter,	*Chicago.*
Goodman, George,	*Watertown, S. D.*
Gregg, Edward Stanton,	*Chicago.*
Griffith, Edmund Llewellynn,	*Freeport.*
Grotewohl, Jessie L.,	*Elkader, Ia.*
Guerne, Alfred Augustus,	*Santa Rosa, Cal.*
Hadley, Chauncey,	*Greenfield, Ia.*
Hammond, Roscoe Brant,	*Ft. Sill, Okl.*
Hancock, H. Harry,	*Bloomington, Wis.*
Hardie, John James,	*Chicago.*
Hards, Ivan Bowman,	*Grand Rapids, Mich.*
Hayes, Paul,	*Plattsmouth, Neb.*
Headley, Sidney,	*Grand Rapids, Mich.*
Hemphill, Wilbur J.,	*Swaledale, Ia.*
Hess, John Edward Burt,	*Hartford, Wis.*
Hicks, William Herbert,	*Union, Ia.*
Himes, Jennie Eva,	*Sturgis, S. D.*
Hodge, Hugh Wallace,	*Brunswick, Mo.*
Hollem, Elmer Hugo,	*Rockford, Ill.*
Hullhorst, Lewis,	*Yutan, Neb.*
Hutchinson, Floyd Milton,	*Nora Springs, Ia.*
Johnson, Charles Emil,	*Duluth, Minn.*
Keller David H.,	*Chicago.*
Kenyon, Ronald Bush,	*Chicago.*
Kernan, Joseph Francis,	*Wichita, Kas.*
Kern, Max Stieke,	*Stevens Point, Wis.*
Kitchen, Curtis John Burwell,	*Toronto, Can.*
Kleinecke, Louis Christian,	*Cuero, Tex.*
Koch, Ferdinand Fritz,	*Dunkirk, N. Y.*
Kruchevsky, Samuel,	*Chicago.*
Lasker, Herman,	*Chicago.*
Lewis, Frank B.,	*North Williams, Mich.*
Lynn, Austin Ames,	*Marshalltown, Ia.*
Lynn, Emery Collins,	*Marshalltown, Ia.*
Maginnis, Eugene,	*Belle Plaine, Ia.*
Mason, George Neil,	*Sheldon.*
Maurer, Nellie,	*Red Cloud, Neb.*
McCallum, Frederick William,	*Valparaiso, Ind.*
McLaughlin, Frank James,	*Monticello, Ia.*
McMaster, Glenn A.,	*Essex, Ia.*
MacMillan, William Duncan,	*Beltrami, Minn.*
Macpherson, Egbert Earl,	*Chicago.*
McStay, Earl Edward,	*Waterloo, Ia.*

Michalski, Frank Alfonso,	*Stevens Point, Wis.*
Miller, Lewis Marcus,	*Lincoln, Neb.*
Mills, George Sturgeon,	*Chicago.*
Minnis, Harry Lee,	*Edinburgh.*
Munson, Robert H.,	*Boone, Ia.*
Nations, Guy Joseph,	*Camp Point.*
Nelson, William,	*Essex, Ia.*
O'Brien, John Dennis,	*St. Paul, Minn.*
Opland, Joseph S.	*Greenfield, S. D.*
Packard, H. Roy,	*Bloomington.*
Parkinson, David Talbott,	*Wichita, Kas.*
Parks, Pearl,	*Lincoln.*
Parks, Robert Smith,	*Newbern, Tenn.*
Peterson, Walter Emil,	*Alden, Minn.*
Piner, Henry Edward,	*Stuart, Ia.*
Polin, Oscar Martin,	*Alma, Wis.*
Pool, Hardy Fayette,	*Mason City, Ia.*
Poundstone, George Corwin,	*Sheridan.*
Price, Frederick Orion,	*Colfax, Ia.*
Proctor, William Orson,	*Doniphan, Mo.*
Rasmussen, Andrew William,	*Chicago.*
Reese, Elmo David,	*Dodgeville, Wis.*
Reible, George A.,	*Mayville, Wis.*
Richards, William Freeman,	*Sacramento, Cal.*
Ritson, Joseph Henry,	*North Williams, Mich.*
Sanford, Charles Wesley,	*Ellsworth, Wis.*
Shill, John, Jr.,	*Winnemac, Ind.*
Sinn, Jens J.,	*Walnut, Ia.*
Smalley, Irwin D.,	*Fond du Lac, Wis.*
Smith, Daniel Hallie,	*Newton.*
Smith, George Hill,	*Galesburg.*
Smith, William Mordy,	*Chicago.*
Spencer, Edward Albert,	*Brandon, Manitoba.*
Spier, Ernest Arthur,	*Sydney, Australia.*
Spindlo, Thomas Henwood,	*Berkshire, England.*
Stanley, William R.,	*Elbow Lake, Minn.*
Stevens, Wirt Allan,	*Chicago.*
Stokes, John Francis,	*Morrison.*
Swigert, George Orton,	*Galesburg.*
Thomas, David Ellis,	*Delafield, Wis.*
Thomas, Edward Smith,	*Polo.*
Thomas, Lewis Edwin,	*Joliet.*
Thompson, Edwin Cook,	*Chicago.*
Tower, Ray Leighton,	*Aberdeen, S. D.*

Tyler, Alva D.,	*Traverse City, Mich.*
Uglow, Stanley J.,	*Newcastle, Ont., Can.,*
Ulvestad, Oliver M.,	*Chokio, Minn.*
Umholtz, Bruce Mackaman,	*Edmund, Okla.*
Virgin, Joseph Jenkins,	*Fairbury.*
Waddell, William M.,	*Salt Lake City, Utah.*
Watson, Theodore L.,	*New Haven, Conn.*
Weagant, C. Herbert,	*Chicago.*
Weyhe, Henry T.,	*New Ulm, Minn.*
Wier, William Arnold,	*Barrie, Ont.*
Williams, Fred Hays,	*Bloomington, Ind.*
Wilson, Edgar O.,	*Kasson, Minn.*
Wolfe, Edward Ferdinand,	*Sheboygan Falls, Wis.*
Zederbaum, George,	*Chicago.*
Zeigler, H. Allen,	*Moline.*
Zimmerman, Henry Thomas,	*Elizabeth, Minn.*

MATICULATED BUT NOT IN ATTENDANCE.

Baker, Charles Reeder,	Gilbert, Phil Edward,
Bouden, Arthur,	Hansen, C. F.,
Dietrich, Joseph N.,	Hatch, William,
Doherty, Frederick Stewart,	Lambert, Philip Theophili,
Downing, F. M.,	McClellan, Alexander,
Dudley, Howard Scott,	Owen, Claud D.,
Flemming, John V.,	Petrie, Henderson Cornell,
Fortney, George W.,	Post, Wm. Morton,

Rimmer, Walter Harcourt.

SPECIAL COURSE.

Fawcett, Arthur Clayton,	*Marion, Minn.*
Mueller, Frida,	*Hanover, Germany.*
Schumacher, Katherina,	*Breslau, Germany.*
Smith, Daniel Hallie,	*Newton.*
Work, John Langton,	*Sydney, Australia.*

THE WOMAN'S MEDICAL SCHOOL.

Andrews, Leila Edna,	*Chicago.*
Ballance, Harriet N., A.B., Vassar College, Poughkeepsie, N. Y.	*Peoria.*
Barnes, Zina L.,	*St. Louis, Mo.*
Baumann, Alice H.,	*Manchester, Eng.*
Bergstrom, Victoria Albertine,	*Chicago.*
Beers, Matilda May,	*Derby, Mich.*
Binford, Nellie,	*LeRoy, Ia.*
Blakelidge, Rose Mary,	*LaGrange.*
Brady, Elizabeth Neil,	*Chicago.*
Burton, Alice E.,	*Corydon, Ia.*
Butler, Elzora,	*Johnstown, Pa.*
Caldwell, Anna,	*Chicago.*
Clouse, Bertha Anne, M.S., Hartsville College, Hartsville, Ind.	*Hope, Ind.*
Cowles, Hattie,	*Fairbury, Neb.*
Crosby, Mary Julia,	*Cedar Falls, Ia.*
Edmonds, Agnes M.,	*Tina, Mo.*
Epperson, Ada,	*Oxford, Ind.*
Evans, Rebecca Martimer,	*Kent, O.*
Exton, Lucy Alice,	*Gifford.*
Farquharson, Henrietta Mae,	*Chicago.*
Gabel, Emma,	*Chicago.*
Gaston, M. Adelaide,	*Cerro Gordo.*
Gnekow, Emilie Louisa,	*Stockton, Cal.*
Hackett, Emma Catherine,	*Dubuque, Ia.*
Haeusler, Annie M.,	*Chicago.*
Higgins, Gussie Zada,	*Whitefield.*
Hinch, Minnie Agnes,	*Verona.*
Johnson, Nellie Bernice,	*Danville.*
Jones, Susan A.,	*Racine, Wis.*
Keator, Louise Helmka,	*Polo.*
Keith, Ora Dell, A.B., Park College, Parksville, Mo.	*Maysville, Ark.*
Kingsbury, Stella,	*Chicago.*
Lehle, Susan,	*Chicago.*
Lotto, Margaret F.,	*Austin.*

Lyons, Jennie, *Hume.*
Lyons, Nettie Cantlon, *Chicago.*
MacKay, Emma Scribner, *Englewood.*
McClune, Martha, Ph.G., *Tilton, Ia.*
Northern Indiana State Normal School.
Michner, Ava, M.D., *Chicago.*
Miller, Emma T., M.D., *Oroomiah, Persia.*
Northwestern University Woman's Medical School.
Mitchell, Esther, B.S., *Kirkwood.*
Monmouth College, Monmouth, Ill.
Moon, Cora M., *Lowell, Mich.*
Munch, Louisa L., *Joliet.*
Neil, Blanche, *Forest City, Ia.*
Newell, Mary Elizabeth, *Wooster, O.*
Norris, Julia Anna, *Chicago.*
Orton, Susanne, A.B., *Darlington, Wis.*
Rockford College, Rockford, Ill.
Piasecki, Caroline Dorothea, *St. Paul, Neb.*
Pitkin, Alice Fidelia, *Chicago.*
Reece, Lucy C., *Table Grove.*
Robinson, Caroline, *Grays Lake.*
Rutledge, Frances Ettrican, *Garden City, Kas.*
Rose, Russell, *Muncie, Ind.*
Sage, Annie White, M.D., *Chicago.*
Northwestern University Woman's Medical School.
Schell, Ida Leonora, Ph.B., *Montezuma, Ia.*
Cornell College, Mt. Vernon, Ia.
Schmidt, Marie Stock, *Chicago.*
Stratton, Mary Reed, M.D., *Boulder, Col.*
Northwestern University Woman's Medical School.
Tallman, Susan Barbara, Ph.B., *Grinnell, Ia.*
Iowa College, Grinnell, Iowa.
Todd, Anna, *Chicago.*
Tucker, Emma Boose, B.S., *Falls City, Neb.*
Nebraska State University.
Upton, Mabel, *Hudson, Wis.*
Webster, Josephine Ella, *Chicago.*
Wickel, Susie R., B.S., *Naperville.*
Northwestern College, Naperville, Ill.
Williams, Emily Diament, A.B., *Kalgan, North China.*
Oberlin College, Oberlin, O.
Wilson, Zilpha, *Pennsboro, W. Va.*
Wood, Lucy M., *Logan, Ia.*
Wright, Elva, B.S., *Hillsdale, Pa.*
Valparaiso College, Valparaiso, Ind.
Wyant, Florence Bell, *Adrian, Pa.*
Zelezny, Otilie, *Chicago.*

THE SCHOOL OF MUSIC.

Anderson, Jennie Matilda,	*Evanston.*
Andrews, Daisy Ida,	*Salmon City, Idaho.*
Bailey, Mabel,	*Chanute, Kas.*
Ball, Nellie,	*Moline.*
Baller, Ruth,	*Bloomington.*
Barry, Curtis Abell,	*Chicago.*
Bemis, Emily,	*Cawker City, Kas.*
Benedict, Anna Lucinda,	*Waukegan.*
Bennett, Margaret Grace,	*Moline.*
Bishop, Mildred,	*Evanston.*
Boorman, Genevieve,	*Evanston.*
Botkin, Maud Devereaux,	*Virden.*
Boyer, Rachel Orelia,	*York, Neb.*
Bredin, Elias Arnold,	*Evanston.*
Bunnell, Mrs. Belle,	*Evanston.*
Bunnell, Marc,	*Evanston.*
Burnside, Mrs. C. V.,	*Evanston.*
Burnett, Elizabeth,	*Evanston.*
Childs, Florence Leah,	*Evanston.*
Cissna, Georgia,	*Kansas City, Mo.*
Clover, Katharine,	*Evanston.*
Coakley, Henrietta,	*Chicago.*
Coleman, Edith,	*Joy.*
Crowley, Elenor Cecilia,	*Chicago.*
Davis, Alice,	*Lakeside.*
Davis, Lizzie,	*Salt Lake City, Utah.*
Dodge, Louis Norton,	*Evanston.*
Dunn, Mabel Adella,	*Evanston.*
Ericson, Grace Olivia,	*Evanston.*
Eversz, Edna Louise,	*Evanston.*
Fahs, Gertrude E.,	*Joliet.*
Farnsworth, Mary,	*Cresco, Ia.*
Fisk, Ellen Green,	*Evanston.*
Fleshiem, Edna Earle,	*Menominee, Mich.*
Garberson, Margenia,	*Richwood, O.*
Garver, Alice,	*Evanston.*

Gates, Pearly,	*Evanston.*
Goebel, Caroline,	*Chicago.*
Graves, Irene,	*Evanston.*
Gray, Golda May,	*DeKalb.*
Greene, Marion Fairbrother,	*Evanston.*
Haake, Charles John,	*Chicago.*
Hall, Irene,	*Sedgwick, Kas.*
Hall, Mabel Pauline,	*Sedgwick, Kas.*
Harbaugh, Rose,	*Joliet.*
Hartshorn, Leta,	*Evanston.*
Hastings, Leila May,	*Cairo.*
Hatch, Elizabeth,	*Evanston.*
Hewes, Jeanette Elizabeth,	*Rockwood City, Ia.*
Hoker, Marion,	*Huron, S. D.*
Holbrook, Carrie Cole,	*Evanston.*
Holcomb, Helen,	*Evanston.*
Holmes, Frances Imogen,	*Evanston.*
Hoover, Jennie Grace,	*Sterling.*
Hoyle, Elizabeth,	*Mt. Palatine.*
Hubbart, Della,	*Monticello.*
Hull, Winifred,	*Evanston.*
Humfreville, Lilian,	*Waterville, Kas.*
Inglis, Ruth Victoria,	*Evanston.*
Jones, Birdie,	*Chanute, Kas.*
Kanitz, Paula,	*Chicago.*
Kindall, Hortense,	*Onawa, Ia.*
Kriete, Cecelia Louis,	*Chicago.*
Ladd, Alice Mabel,	*Brooklyn, Mich.*
Larsen, Edith Calistrae,	*Green Bay, Wis.*
Lemay, Ada,	*Newton.*
Livermore, Melva,	*Evanston.*
Lothian, Myrtle Mabel,	*Ida Grove, Ia.*
Mahaffie, Bertha Agnes,	*Letts, Ia.*
Manus, Katie Johanna,	*Evanston.*
Mark, Ellen Humphreys,	*Muscatine, Ia.*
Marsh, Don Egbert,	*Evanston.*
Martin, Bessie,	*South Omaha, Neb.*
Mattison, Hugh Haven,	*Evanston.*
Mattison, Myrtle,	*Evanston.*
McCluskey, Frank,	*Evanston.*
Mercer, Grace Darling,	*La Moille.*
Merrilies, Mary,	*Winnetka.*
Merrilies, Sarah Louise,	*Winnetka.*
Meyer, Orillia Sarah,	*Evanston.*

Miles, Winifred,	*Corydon, Ia.*
Miller, Alta Dorothy,	*Evanston.*
Mockford, Sue Frances,	*Evanston.*
Monk, Alice Maud,	*Chicago.*
Monroe, Imo Allaleen,	*Blair, Neb.*
Norfleet, Mrs. Lulu Belle,	*Lebanon, Mo.*
Northey, Susie,	*Dubuque, Ia.*
Olp, Ernest Everett,	*Evanston.*
Ott, Aureola Marie,	*Chicago.*
Owen, Edna Mary,	*Evanston.*
Owens, Mrs. J. O.	*Evanston.*
Parsons, Harry Robert,	*Chicago.*
Peacock, Helen Margaret,	*Morris.*
Peckham, Maud,	*Toledo, O.*
Pendleton, Mary Louise,	*Evanston.*
Petrie, John,	*Evanston.*
Phelps, Lispeth,	*Port Huron, Mich.*
Phillips, Anna Viola,	*Rhodes, Ia.*
Porter, Mrs. A. B.,	*Evanston.*
Pratt, Mary Porter,	*Chicago.*
Price, Stella,	*Evanston.*
Prindle, Richard Hedenberg,	*Evanston.*
Quinn, Maytie,	*Kewanee.*
Rayfield, Mrs. Ida J.,	*Evanston.*
Raymond, Elizabeth,	*Evanston.*
Reid, Mary Mitchell,	*Evanston.*
Ridlon, Hester,	*Evanston.*
Rodgers, Rosetta Banks,	*Evanston.*
Rosenstein, Hannah,	*Moline.*
Ross, Isabella,	*Evanston.*
Ruby, Mildred,	*Manilla, Ia.*
Sargent, Carla,	*Evanston.*
Sayre, Jessie Oril,	*Centerville, S. D.*
Seymour, Ethel,	*Chicago.*
Scales, Elizabeth Cayme,	*Chicago.*
Schwingle, Theresia,	*Chicago.*
Silverthorne, Caroline Sarah,	*Wausau, Wis.*
Simpson, Margaret Dale,	*Evanston.*
Snyder, Lilian Irene,	*Moweaqua.*
Somerville, Esther,	*Evanston.*
Spencer, Stanhope Reid,	*Evanston.*
Stevens, Irene Bertha,	*Evanston.*
Stewart, Lucy,	*Evanston.*
Stiger, Edith May,	*Toledo, Ia.*

Stoller, Cora Mabel,	*Evanston.*
Todd, Jessie Grace,	*Butler.*
Tollefson, Martha Amelia,	*Mabel, Minn.*
Tompkins, Mary Elizabeth,	*Chicago.*
Trimble, Eliza,	*Evanston.*
Vance, Mrs. Wm. L.,	*Evanston.*
Van Gorder, Louise,	*Kenilworth.*
Vaughn, Matie Ella,	*Deadwood, S. D.*
Vocke, Stella C.,	*Napoleon, O.*
Vose, Mary Richardson,	*Evanston.*
Walker, Fannie,	*Milledgeville.*
Wall, Lillian,	*Staunton.*
Wallingford, Mary,	*Evanston.*
Waterous, Earle,	*Evanston.*
Webster, Henry K.,	*Evanston.*
Wells, C. E.,	*Evanston.*
Wells, Mrs. C. E.,	*Evanston.*
White, Lilian Content,	*Lincoln, Neb.*
White, Marie Frances,	*Evanston.*
Whitlock, Laura Case,	*Evanston.*
Wigner, Aera Eva,	*Marion, Ind.*
Wilson, Myra,	*Evanston.*
Wood, Jennie,	*Evanston.*
Woodward, Marion Culver,	*Brooklyn, Mich.*
Zeuch, William Edward,	*Chicago.*

THE SCHOOLS OF THEOLOGY.

GARRETT BIBLICAL INSTITUTE.

DEGREE COURSE.

SENIOR CLASS.

Bennett, Will Earnest, A.B., Northwestern University.	*Waukegan.*
Burcham, John Levi, B.S., Illinois Wesleyan University.	*Illiopolis.*
De Bra, Harvey Rufus, A.B., Northwestern University.	*Evanston.*
Fleming, William T. S., A.B., Cornell College.	*Mt. Vernon, Ia.*
Hay, Clyde Lemont, Illinois College.	*Jacksonville.*
Houghton, Horace Levan, Ph.B., Northwestern University.	*Port Washington, Wis.*
Kelly, Winfield Scott, Ph.B., Illinois Wesleyan University.	*San Francisco, Cal.*
Klein, John, A.B., Central Wesleyan College.	*Green, Kas.*
McKitrick, John Wesley, A.B., Manitoba University.	*Paisley, Ont., Can.*
Money, Parke C., A.B., Northwestern University.	*Billings, Mo.*
Richardson, Channing Alonzo, A.B., Milton College.	*Milton, Wis.*
Serl, Elmer Willis, B.L., University of Wisconsin.	*Delavan, Wis.*
Simonds, Royal Ambrose, A.B., Grant University.	*Clinton, Tenn.*
Smith, Ernest Dailey, A.B., Northwestern University.	*Lowell, Ind.*
Yoshizaki, Enos Hikoichi, A.B., University of the Pacific.	*Hirosaki, Japan.*
*Beattie, George Wallace, B.D., Portland Theological Seminary.	*Booneville, Cal.*
*Empey, Frank De Haven, A.B., B.D., Garrett Biblical Institute.	*Sioux City, Ia.*

*Graduate Students electing work in the Institute.

DIPLOMA COURSE.

SENIOR CLASS.

Bales, Arthur, Bloomfield Normal.	*Chequest, Ia.*
Bartle, Josiah Bennett, Academy of Northwestern University.	*Evanston.*
Channer, Burley Alfred, Cedar Valley Seminary.	*Bassett, Ia.*
Dawson, John, Ph.B., Upper Iowa University.	*Sumner, Ia.*
Dutton, Dean Colfax, Evansville Seminary.	*Seattle, Wash.*
Fessenden, Thomas Whitemore, East Maine Conference Seminary.	*Yorkville, Wis.*
Geiger, Andrew Arthur, Clarksville Seminary.	*Freeport, Mich.*
Griffith, Claude Louis, B.S., Merom College.	*Merom, Ind.*
Harris, Emmanuel,	*Gunwalloe, England.*
Judy, John Milton, Northwestern University.	*Potomac.*
Kirk, Josiah Smith, Baker University.	*Topeka, Kas.*
Mager, Ernest William,	*Pleasant Prairie, Wis.*
Manning, Lewis Henry, Albion Academy.	*Big Rapids, Mich.*
Mell, Aaron Wesley, A.B., Northwestern University.	*Blairstown, Ia.*
Omohundro, Erwin House, King's School of Oratory.	*Pittsburg, Pa.*
Peddicord, Charles Andrew, Cornell College.	*Plainfield, Ia.*
Peschmann, Joseph Frederick, Albion Academy.	*Evanston.*
Pollock, Grant Simpson, Wellsville High School.	*Allegheny, Pa.*
Porter, Newton Asbury, A.B., South West Kansas College.	*Windom, Kas.*
Sevy, Isaac Burton, B. S., South Dakota Agricultural College.	*Britton, S. D.*
Snell, Geo. W. Bean, A.B., Cornell College.	*Chicago.*
Snyder, Eugene Cornelius, Baldwin University.	*Freedom.*
Speckien, John Frederic, Fort Wayne College.	*Wawaka, Ind.*
Taylor, Fred Charles, Albert College.	*Stayner, Ont., Can.*
Trask, Obie Washington, Sand Beach High School.	*Harbor Beach, Mich.*
Yost, Jesse J., Michigan State Normal.	*Evanston.*

DEGREE COURSE.

MIDDLE CLASS.

Beggs, Samuel Watson, A.M., Illinois College.	*Ashland.*
Bush, Martin Daniel, A.B., Northwestern University.	*Evanston.*
Crossen, Hugh, A.B., Hamline University.	*Hamline, Minn.*
Forrester, Robert Herman, A.B., Simpson College.	*Dexter, Ia.*
Gardiner, James Leonard, Mt. Forrest Collegiate Institute.	*Clifford, Ont., Can.*
Gates, Eugene Franklin, Ph.B., Taylor University.	*Mentone, Ind.*
Guest, Charles Bodine, A.M., Simpson College.	*Iveyville, Ia.*
Keplinger, Peter Russell, A.M., McKendree College.	*Hornsby.*
Lymer, John Charles, A.B., Amity College.	*College Springs, Ia.*
Reeder, George Avery, A.B., Cornell College.	*Tipton, Ia.*
Springer, John McKendree, Ph.B., Northwestern University.	*Hazel, S. D.*
Steward, Olin Elmer, A.B., Albion College.	*Albion, Mich.*
Wright, Cyrus Ames, A.B., Northwestern University.	*Evanston.*

DIPLOMA COURSE.

MIDDLE CLASS.

Briggs, George Wesley, Bayfield High School.	*Briggsville, Wis.*
Bunt, Pierce Oliver, Shullsburg High School.	*Huron, S. D.*
Byrkit, Arthur Henry, A.B., Iowa Wesleyan University.	*Westchester, Ia.*
Case, James La Due, Akron High School.	*Berkeley, Cal.*
Hewitt, Clare John, B.S., Union College.	*Elgin.*
Hirota, Zenro, Augh, Japanese University.	*Tokyo, Japan.*
Irish, James William, B.L., Wisconsin University.	*Madison, Wis.*
Jontz, Ida V., Wyanet High School.	*Wyanet.*
Kliewer, John Walter, Bethel College.	*Newton, Kas.*
Marshall, Arthur Lee, Butler High School.	*Kansas City, Mo.*

Merrick, Henry Levi, *Hunt.*
Danville Commercial College.
Norfleet, Abraham Lincoln, Ph.B,, *High Point, Mo.*
University of Missouri.
Preston, Samuel Morley, *Detroit, Mich.*
Detroit High School.
Randall, Albert Allen, *Wheeler, Ind.*
Parsons College.
Rawson, James Peru, *Whittemore, Ia.*
University of Wisconsin.
Riddell Samuel Philip, *Winnipeg, Man.*
Wesley College.
Robinson, Emma A., *Dubuque, Ia.*
Dubuque High School.
Shanks, Lewis Elmer, *Fairmont, Minn.*
Hamline University.
Shick, George Washington, *Neligh, Neb.*
Gates College.
Simmons, John Ulysses, A.B., *Chicago.*
Albion College.
Snyder, Harvey Albert, *Mahoning, Ohio.*
Ohio Wesleyan University.
Stone, Elmer Ellsworth, *Miller, Ohio.*
Storer, Ernest Osborn, B.L., *Brooklyn, N. Y.*
Cornell University.
Tompkins, William Oris, B.S., *Wyoming, Ia.*
Cornell College.
Travis, Charles Claud, B.S., *Waveland, Ind.*
Wabash College.
Turner, James Walter, *Carterville.*
Crab Orchard Academy.
Vincent, James Arthur, *Evanston.*
Wittwer, John Henry, *Adelphi, Ohio.*

DEGREE COURSE.

JUNIOR CLASS.

Anderson, Charles Edo, Ph. M., *Everly, Ia.*
Upper Iowa University.
Andrick, George Wesley, B.L., A.B., *Upland, Ind.*
Taylor University.
Bennett, Ralph Elmer, A.B., *Omro, Wis.*
Lawrence University.
Cullison, Homer Edgar, A.B., *Hamilton, Kas.*
Baker University.
Farmer, William Burton, A.B., *Bloomington, Ind.*
University of Indiana.
Folsom, Arthur James, Ph.B., *Dunnville, Ont., Can.*
Cornell College.
Freeman, Milton Sterner, B.S., *Allentown, Pa.*
Schuylkill Seminary.
Grigg, Ernest, A.B., *Evanston.*
University of the Pacific.

Hall, John, A.B., Black Hills College. — *Hot Springs, So. Dak.*
Hammitt, Leon Lewis, A.B., Western College. — *Toledo, Ia.*
Homan, Fletcher, A.B., Simpson College. — *Corning, Ia.*
Jackson, Joseph Ellis, A.B., National Normal University. — *Blanchester, Ia.*
Juvinall, Charles Franklin, Northwestern University. — *Jainesburg.*
Lawler, Hiram Festus, A.B., Northwestern University. — *Green Valley.*
McCammon, George Edward, A.B., McKendree College. — *Mound City.*
Pfeiffer, Harry Nelson, A.B., New York University. — *Brooklyn, N. Y.*
Williams, John Henry, A.B., University of th Pacific. — *San Jose, Cal.*
Williams, Stephen Rees, B.L., Lawrence University. — *Ottawa, Wis.*

DIPLOMA COURSE.

JUNIOR CLASS.

Anderson, James Wesley, Hamline University. — *So. Thomas, Ont., Can.*
Atkinson, Henry Avery, Ph.B., Pacific Methodist College. — *Petaluma, Can.*
Barclay, Wade Crawford, Ph.B., University of Iowa. — *West Liberty, Ia.*
Barr, James Richard, Morningside College. — *Birksville, Kas.*
Blair, William Walter, South Omaha High School. — *Boscobel, Wis.*
Bundy, Walter Scott, Academy of Northwestern University. — *Evanston.*
Chapler, Charles Elmer, Fort Dodge High School. — *Fort Dodge, Ia.*
Cheurvront, John Richard, Academy of Northwestern University. — *Selbyville, W. Va.*
Chilstrom, Nels John, Swedish Theological Seminary. — *Evanston.*
Cleworth, William Charles, Albert College. — *Chicago.*
Clutterbuck, James Greenby, — *Watford, Ont., Can.*
Corson, Samuel, Moody Bible Institute. — *Belfast, Ireland.*
Cullison, Eva L., Maryland Valley High School. — *Hamilton, Kas.*
Ehrstein, Joseph, Findlay College. — *Marathon, Ia.*
Fearnow, Martin Luther, B.S., A.M., Mt. Hope College. — *Belpre, Ohio.*

Fleming, Berton H., Northwestern University.	*Dowagiac, Mich.*
Guest, Esther Youtz, A.B., Simpson College.	*Des Moines, Ia.*
Haist, Frederick William, Northwestern University.	*Freeport, Mich.*
Hall, Charles Harold, Webster City High School.	*Webster City.*
Herring, Edward Joseph, Downer's Grove High School.	*Downer's Grove.*
Hill, Harvey Rowland, Academy of Portland University.	*Portland, Ore.*
Irish, Grace Cleghorn, University of Michigan.	*Madison, Wis.*
Kawashima, Suyenoshin, Chinzei Theological Seminary.	*Karume, Japan.*
Kent, Arthur, University of Michigan.	*Mankato, Minn.*
Lewis, Watson Lorenz, Ph.B., De Pauw University.	*Somonauk.*
Ludwig, Theodor, A.B., Central Wesleyan College.	*Moweaqua.*
Lyon, Henry Alfred, Olivet College.	*Kalamo, Mich.*
Martin, James William, Monmouth College.	*Newburgh, N. Y.*
Mayne, Charles, Cornell College.	*Shelby, Ia.*
McFadden, John Roscoe, Ph.B., Scio College.	*Gilmore, Ohio.*
McGuire, S. Fletcher, Simpson College.	*Gettysburg, So. Dak.*
Mitchell, Jesse Franklin, Northern Indiana Normal.	*Hoopeston.*
Moyer, Edmond Warren, Northwestern University.	*La Grange.*
Ostlund, Per Alfred, Swedish Theological Seminary.	*Evanston.*
Parsons, Rome Avery, Fredonia State Normal.	*Stockton, N. Y.*
Paul, Ralph Ward, Albion College.	*Coldwater, Mich.*
Peterson, Peter Martin,	*Evanston.*
Rayfield, Louis F., Portland University.	*Seneca Castle, N. Y.*
Rockwell, Ferdinand Sperry, Canada Collegiate Institute.	*Norwood Park.*
Rutledge, Walter Palmer, Illinois College.	*St. Louis, Mo.*
Sheppley, Edward Henry, Upper Iowa University.	*Dubuque, Ia.*
Shupp, Anna J.,	*Moline, Kas.*
Smith, Walter Henry, Ponca High School.	*Ponca, Neb.*

Spencer, Elijah W., Academy of Baker University.	*Cherokee, Kas.*
Stanford, George Earnest, Academy of Northwestern University.	*Chicago Lawn.*
Swan, Eric Philip, Swedish Theological Seminary.	*Kansas City, Mo.*
Teeter, Will H., Mt. Carroll High School.	*Mt. Carroll.*
Tibodeau, Asa Davis, East Maine Conference Seminary.	*Lincoln, Me.*
Thomas, Eben A., University of Michigan.	*Kendrick, Idaho.*
Thomas, John Saunders Ladd, University College, London.	*London, Eng.*
Thompson, Ernest Lee, Cornell College.	*Gilroy, Cal.*
Tompkins, Belle, B. S., Cornell College.	*Wyoming, Ia.*
Ullrick, Delbert Sylvester, Northwestern University.	*Carson City, Nev.*
Weaver, Edward Sheridan, Findlay College.	*Leipsic, Ohio.*
Wire, Melville Thomas, Albany College.	*Albany, Ore.*

NORWEGIAN-DANISH DEPARTMENT.

Andersen, Christian A.,	*Dwight, Ill.*
Bague, Oscar J.,	*Chicago.*
Field, Ole T.,	*Seattle, Wash.*
Gundersen, Gustav M.,	*Muskegon, Mich.*
Olsen, Melville,	*Grand Forks, N. D.*
Petersen, Peter M.,	*Concord, Mass.*
Prestholdt, Ole T.	*Stoughton, Wis.*
Schevenins, Carl W.	*Stoughton, Wis.*

SWEDISH THEOLOGICAL SEMINARY.

FOURTH CLASS.

Chilstrom, Nels J.,	*Concord, Neb.*
Ostlund, Alfred,	*Chicago.*
Westling, Otto W.,	*Philipstad, Sweden.*

THIRD CLASS.

Glemaker, Nels P.,	*Grand Forks, Dak.*
Strom, Axel,	*Milwaukee, Wis.*

SECOND CLASS.

Dahl, Edwin S.,	*Minneapolis, Minn.*
Hedeen, Eric N.,	*Andover.*
Johnson, John,	*Ansonia, N. Y.*

Magnuson, Svan,	*Chicago.*
Sandberg, Oscar,	*Ong, Neb.*
Stromberg, A. Fred,	*Chicago.*

FIRST CLASS.

Burdell, Joseph N.,	*Boston, Mass.*
Jones, August,	*Boston, Mass.*
Pearson, Nels,	*Chicago.*
Westerberg, T. J.,	*Chicago.*
Wohlander, Carl,	*Keeran, Texas.*

LIST OF

DEGREES AND PRIZES

FOR

THE YEAR 1899–1900.

DEGREES CONFERRED IN 1899.

HONORARY DEGREES.

Doctor of Divinity.

Arthur Hyslop Briggs.
Edmund Booth Patterson.

Graduates of the College of Liberal Arts, Classes of 1881 and 1884 respectively.

Doctor of Pharmacy.

Joseph P. Remington.

DEGREES IN COURSE.

Bachelor of Arts.

Adams, Paul Milford,
Barnum, Frank Wilson,
Behner, Henry George,
Bobb, Dwight St. John,
Buntain, Cassius M. Clay,
Cleworth, Gilbert Drake,
Cooke, Andrew,
Denison, Edmund Decatur,
Flickinger, Roy Caston,
Fyfe, Cora May,
Gilbert, Barry,
Haist, Louis Philip,
Jones, Paul Vernon,
Juvinall, Charles Franklin,
Lawler, Hiram Festus,
Machesney, William Nelson,
McCluskey, Frank,
Mell, Aaron Wesley,
Money, Parke Cornelius,
Myers, William Edward,
Nesmith, George Taylor,
Ozanne, Herbert Giles,
Philippi, Ruth Eloise,
Prickett, William Russell,
Read, William Barnard,
Shinn, Harwin Benjamin,
Swarthout, Ethel May,
Volz, George Philip Kuhn,
Wilbur, Russell,
Wright, Cyrus Ames.

Bachelor of Philosophy.

Anderson, Jens,
Beernink, Andrew
Fisher, Albert L.,
Fitch, Marjorie Luc[illegible]e,
Perry, Albertus,
Pierce, Ella Maria,
Rodgers, Emily Isabel,
Ross, Jessie Elizabeth,

Hochbaum, Elfrieda,
Lytle, Clarice May,
Paddock, Jessie Louise,
Springer, John McKendree,
Telling, Grace Elsie,
Witt, Annie Mary.

Bachelor of Science.

Benham, Fred Claude,
Boner, Charles Clarence,
Colvin, Ruth Amanda,
Hall, Eliza Platt,
Howard, William Edward,
Jones, Albert Reuben,
King, Karl David,
Libberton, Raymond Claude,
Longpre, Elmer Leon,
McNett, Frank Warren,
Medlar, Ola Samuel,
Miller, Maude Evangeline,
Minium, Willis Frank,
Muhleman, George Washington,
Pierson, John Clough, Jr.,
Remington, James Elvon,
Richardson, Julia Elnora,
Ruther, George Edward,
Siberts, Paul Raymond,
Thorne, Clarence Manly,
Williams, Arthur Edward,
Wyrick, Basil Guy.

Bachelor of Letters.

Anderson, Bertha,
Bennett, Marie Eloria,
Campbell, Elizabeth Butler,
Chase, Jane,
Clark, Bessie Waite,
Clark, May,
Clarke, Miriam Loretta,
Goodsmith, Jessie Bell,
Harris, Florence Emmerson,
Heaps, Edith Estella,
Hutchison, Bessie Bell,
Lasher, Grace-Adele,
Palmer, Mary Eckel.

Master of Arts.

Chambers, John Milton,
Gates, Jessie Nevin,
Jones, Walter Clinton,
Mitchell, Francis Joseph Ross,
Winslow, Charles Spaulding.

Master of Philosophy.

Burling, Alice Josephine,
Hochbaum, Elfrieda,
Lane, Frank Hardy,
Okey, Ida Jane.

Master of Science.

Howard, William Edward,
Lindquist, Theodore.

Doctor of Philosophy.

Hill, Charles. Thesis: *Primary Segmentation of the Vertebrate Brain.*
Twight, Alice Gabrielle, (in June, 1898). Thesis: *Women of the French XVIIth Century Classical Theater.*

Doctor of Medicine.

Armstrong, George Cadawallader,
Axtell, Myron Walker, A.B.,
Hess, Julius,
Hogue, Gustavus Ingomar,
Horner, Charles Perry,

Bartran, William Henry, Jr.,
Baxter, George Edwin, Ph.B.,
Beavers, Charles Edward,
Bennett, Frank Eugene,
Bentley, Robert Samuel,
Bilstad, Gunerius Ellsworth, Ph.G.,
Bobb, Earl Victor,
Bokhof, Clayton Herman,
Brown, Gates Munro,
Brown, Harry Cortland,
Brown, John Reynolds, B.S.,
Carlton, Edward Perkins, B.S.,
Chapin, Charles Walvin,
Church, Charles Glenn,
Churchill, Alfred Henry,
Cutler, John Calvin,
Daly, William Thomas,
Davis, Achilles, Ph.B.,
Day, Howard Woods,
Dennis, George James, M.D., D.D.S.,
Dwelle, Elmer Hinman,
Fetherston, Ernest A.,
Fiebiger, George John,
Finney, William Harrison,
Goll, Alfred George,
Gray, Frank Davis,
Harder, Henry,
Hepburn, Alexander Hoyt,
Haskell, Hiram Abiff,
Howard, Burt Foster,
Jackson, Arthur Dudley,
Jennings, George D., B.S.,
Kanavel, Allen Buckner, Ph.B.,
Kilbourne, Edwin Dearborn,
Leith, Samuel Stephenson,
Mason, John Edward,
McCormick, Ferdinand Claudius,
Miller, Johannes Jacobus,
Miller, Sumner Marcy, A.B.,
Morison, James Richard, Ph.B.,
Morse, Arthur W., A.B.,
Redshaw, Benjamin Franklin,
Richman, Silas Feris, A.B., M.D.,
Ruehl, Max C.,
Schmidt, William John Charles,
Schoenfeld, Charles Joseph,
Schultz, Samuel, Ph.B.,
Sissakian, Arsen H., Ph.G.,
Skinner, William,
Smith, Edgar Allen,
Steffens, Joseph Ward, B.S.,
Stephen, Herman Ernest,
Stevens, Charles A.,
Thomson, William Johnstone,
Tupper, George, B.S.,
Tyrrell, William Davis,
Wagner, Guy Watts, Ph.G.,
Washburn, James Murray, B.S.,
Worden, John Edward.

Bachelor of Laws.

Barber, Cameron,
Brown James Scott, A.B.,
Browne, Vernelle Freeland,
Brucker, Ralph,
Buckthorpe, T. H.,
Cahn, Bertram Joseph, A.B.,
Campbell, David Tweedie,
Canfield, Horace, A.B.,
Catherwood, Robert Karl Scott, B.S.,
Crossley, Frederic Beers,
Meloy, Robert Bingham, A.B.,
Manley Benjamin Franklin,
McConahey, James McConnell, B.S.,
McCornack, Walter Edwin, B.S.,
Miller, H. G., Jr.
Mitchell, Francis Joseph Ross, A.B.,
Moss, David Hickman, Jr.,
Oswald, Hugo Edmund,
Pell, William John, B.S.,

Elder, Charles Byrd,
Feeney, Barnard Cyril,
Fetzer, William Ray,
Fish, Clarence Everett, Ph.B.,
Gwin, James Madison, Ph.B.,
Herbst, Charles Frederick, Jr.,
Kilgour, William,
King, Charles Homer, A.B.,
Koepke, Charles Albert,
Kropf, Richard Edward, A.B.,
Lackner, Edgar Cranfield, Ph.B.,
Lasker, Isidor,
Laughlin, Daniel Francis,
Manierre, George Willard,
Martin, Edward Hiram Storms, Ph.B.,
Petteys, John Gordon,
Rawson, Marie L.,
Rice, Elbridge Washburn, Ph.B.,
Ross, Carl Abraham, A.B.,
Rothschild, Isaac Solomon, Ph.B.,
Rydell, Oscar Ferdinand,
Sheppard, Robert Loring, Ph.B.,
Smith, Milton Alexander,
Stelck, Henry,
Stephens, Redmond Davis, A.B.,
Vennum, Thomas Gaylord, A.B.,
Wales, Henry Whitwell, Jr., Ph.B.,
Whitlock, Royal Joseph, Ph.B.,
Whitney, Fred Brown, A.B.,
Worthy, Sidney Windsor,
Yaple, Edward Lewis, B.S.

Pharmaceutical Chemist.

Eaton, Roy Tuttle,
Koch, Adolph Charles,
McLean, Claire French,
Merrill, Will Garrison,
Schiek, Jacob Gabriel.

Graduate in Pharmacy.

Allen, Harry Wilber,
Baker, Louis Guy,
Beck, Fred Oswald,
Blu, Harry,
Bollenbach, George William,
Bourns, William Livingstone,
Brennan Frank,
Busse, William Frederick,
Cohn, Bert William,
Colaw, Orrie Omer,
Cortright, Charles Nathan,
Daniel, William Andrew,
Detrick, Hiram E.,
Dewell, Maud,
Dewey, Anson Cyrus,
Diehl, Herman,
Doggett, Lucy Frances,
Dorr, Harry Arthur,
Dulaney, Joseph Field,
Easley, John Robert,
Elsner, Fred Hamroad,
Johnson, William,
Julian, Harry W.,
Klossoski, Frank John,
Knick, William John,
Kriebs, Frank Delbert,
Lambrecht, John Richard,
Lamm, John Joseph,
LeSaulnier, Albert Frederick,
Loesing, August Christian,
Lutz, John Irwin,
Marquette, Will George,
Martin, Sanford Alonzo,
McComb, Ernest Hubert,
Meehan, Louis Florence,
Meyer, Edouard George,
Meyer, Walter Paul,
Miller, Carroll Martin,
Mott, Dana Willis,
Muesse, Fred William,
Norton, Paul Stewart,
Nyman, Carl Victor,

Fallon, Charles Milton,
Fetherston, Samuel Hutchinson,
Flanders, Ruth Eunice,
Frank, Joseph Samuel,
Giffen, Roy R.,
Goff, William Willis,
Grace, Paul,
Green, Claire Milton,
Gregg, Thomas Duncan,
Grotjan, Frederick Samuel,
Heath, Bert Orcutt,
Hebsacker, Carl L.,
Helm, George Herbert,
Hennig, Charles Herman,
Hoffman, Robert Perry,
Hofmann, Frank Phillip,
Hoover, Judson Wilkes,
Jewell, Bert,
O'Leary, Daniel James,
Pease, Everett J.,
Phillips, William Chambers,
Reed, Walter Henry,
Renaud, Joseph Thomas Ubald,
Selby, James Joseph,
Serr, Peter L.,
Shaffer, Sadie,
Soleman, Fred Armstrong,
Stewart, David Everett,
Street, Sidney Beman,
Talty, Nicholas Aloysius,
Weaver, Harold Townsend,
Wold Walter Edward,
Wright, George Irving,
Wright, Walter Woodruff,
Zillig, John Adams, Jr.,
Zinn, Herman.

Doctor of Dental Surgery.

Akers, Loran Planter,
Albright, Walter Hurlbut,
Anable, Frederick Samuel,
Armstrong, Llewellyn House,
Arter, Francis Dean,
Arthur, Sylvester W.,
Axtell, Thomas Wright,
Baker, William Henry,
Barber, Walter Crossett,
Bartels, William Earnest,
Barth, William Herman,
Bayne, Roscoe Stanton,
Barnard, Leslie Orville,
Bishopp, Harry Buras,
Blonn, Louis,
Bond, Howard Todd,
Bostlemann, Christopher,
Bradshaw, Wyland Centinary,
Bronson, Irving Charles,
Brosnihan, George Maurice,
Brown, Arthur Henry,
Brown, Carl Hildor,
Bugbee, Leslie St. Claire,
Calder, James Herbert,
Kirkwood, Israel Stewart,
Klausner, John Bernard,
Kountz, Walter Pious,
Kramm, Edward,
LaTouche, Arthur Clyde,
Linderholm, Martin Julius,
Lotts, Emery Milton,
Lucke, Paul Peter,
Luebbert, Emil Robert,
Lyon, Stephen Andrew,
Maddock, William Ivan,
Magner, Harry Daniel,
Marlow, Samuel Alanson,
Maun, Nicholas John,
McCartney, Ernest Fielding,
McCartney, Nathaniel Bryan Wede,
McKay, James Harry,
McWethy, William Catlin,
Meng, John Christian,
Merritt, Glenn Lowell,
Miner, Joseph Edward,
Moyer, Jean,
Myers, Henry Alphonsus,

Campbell, Charles Bernard,
Carmichael, Frank Edgar,
Castle, Carroll Clay,
Childs, Audley Elmo,
Cork, Albert Samuel,
Cornell, Walter DeWitt,
Cosner, Robert Lee,
Craig, Herbert Milton,
Davidson, Albert Carl,
Davis, Howard Garrett,
Davis, John Judson,
Dellibac, Leroy,
Dent, George Levi,
Dewell, Wells,
Dieckmann, Armin Joseph,
Dodge, Claude Willott,
Doughty, August Allen,
Dow, Lewis Charles,
Dunning, Joseph Warren,
Duth, Cara Elizabeth,
Eakins, Herman Gernate,
Ebenreiter, Alfred Robert,
Ehlers, Frederick Ferdinand,
Elliott, Gail Borden,
Ely, Arch Elbert,
Flynn, Walter Patrick,
Forsyth, James Edward,
Foster, Maria Teresa,
French, John Samuel,
Ganoe, Oren Elner,
Gerecke, Frank Theodore,
Gethro, Fred William,
Gibbon, Edward Austin,
Graham, Frank Terry,
Graham, Ralph S.,
Greenhow, Barney Finnell,
Grigsby, Frederick Redmond,
Haeseler, Herbert George,
Hallenbeck, Delbert Daniel,
Harrison, Harvey Edgar,
Harstad, Oliver,
Harvey, Max Romeyn,
Haviland, Albert Oatly,
Helms, Henry Finley,
Napper, Sylvia Mary Fialia,
Neff, William Ray,
Nitchelm, Charles Louis,
Nylund, Oscar Caleb,
Older, Bertram,
Olkon, David Mortimer,
Osher, Burt Tenus,
Parker, Frederick William,
Parker, Ralph Waldo,
Petre, Charles Andrew,
Petrie, Walter James,
Pfaff, Henry Valentine,
Pier, Harry Edward,
Pike, Harry Eugene,
Pinkerton, Rawson Kennedy,
Pennington, John Stephen,
Potts, Frank Sam,
Prideaux, William Jennings,
Ray, Lawrence Frank,
Reed, Frank Mildred,
Reid, Thomas,
Rienfried, Charles Joseph,
Roberts, Clair William,
Robertson, James Arthur,
Rodenhouse, Henry Charles,
Rounseville, Charles Fremont,
Rowan, Augustus Michael,
Ryder, George Andrew,
Schamu, Charles Gottlieb,
Schimek, Ignatius Albert,
Schmidt, Alfred Ludwig,
Sellery, Ira Benson,
Simmonds, Forrest Wesley,
Smalley, David Arthur,
Smith, Burleigh Milton,
Smith, Norton Vernon,
Solvsberg, Arthur,
Sprenger, Ernest Samuel,
Stansell, Priscilla Hallam,
Stull, Clyde,
Swain, Ada Price,
Swigert, Harry Irving,
Talbot, William Oliver,
Thorp, David Jackson,

Hemminger, Harvey Jacob,
Hepburn, William Risen,
Hepler, Ralph,
Hickman, Charles Wilbur,
Hicks, William Seldon,
Hodges, Andrew Jackson,
Huff, John Arthur,
Hunt, Ralph Y.,
Johnson, Burton Clermont,
Johnson, Richard Roy,
Johnson, Robert William,
Jolly, Edward Marion,
Jones, James McGregor,
Jorgensen, Ane Marie,
Kestly, Frederick,
King, Birdine,
King, William Oscar,
Kinney, John Cornelius,
Traynham, Reuben Charles,
Underwood, William Elmer,
Upson, George Delevan,
Van Denbergh, Harry Newcomb,
Wadsworth, Charles Freer,
Waldberg, Ernest Irving,
Walsh, Frances Marie,
Walton, Charles Augustus,
Weber, Nicholas Paul,
Welch, Frank Morton,
Williams, Anthony James,
Willard, Eugene Shaw,
Wilson, Ernest Hugh,
Winter, Charles Edward,
Wright, David James,
Wright, Macomb Lee,
Wright, Samuel August,
Zipperman, Solomon William.

Doctor of Medicine (*Woman's Medical*).

Andres, Sarah Gertrude,
Campbell, Grace Harriett,
Clinton, Bertha Lawton,
Crabtree, Hezediah Todd,
Frahm, Mary Elizabeth,
Gardner, Stella M.,
Gatchel, Margaret Morrell,
Greenough, Clara M., A.B.,
Hedger, Caroline,
Henry, Harriet Belle, B.S.,
Horton, Estella,
Hutchins, Linda Krape,
Johnstone, Mary, A.B.,
Kinnier, Lily,
Levy, Kate,
Manning, Jacolyn,
McCollum, Sally Josephine,
Mitchell, Lilian S.,
Norris, Margaret R.,
Norton, Vera Viola,
Reed, Caroline,
Rhoads, Rebecca Margaret,
Rogers, Margaret C.,
Smith, Emily Dillman,
Walser, Lizzie Vail,
Waterman, Mary Blanche,
Welsh, Prudence Matilda,
Westwood, Ethel Page, M.A.,
Wilson, Blanche,
Woodsicka, Julia L.

ERRATUM.

Doctor of Laws.

James Roscoe Day.
Chancellor of Syracuse University.
Degree conferred in 1896.

PRIZES AND HONORS.

IN THE COLLEGE OF LIBERAL ARTS.

The Kirk Prize, for writing and pronouncing the best English Oration: Gilbert Drake Cleworth.

The Cleveland Prizes, for Excellence in Declamation: First prize, Ralph B. Dennis; second prize, Kingsley E. Pease.

The Gage Prizes, for Excellence in Debate: First prize, Robert Herman Forrester; second prize, Hasse Octavian Enwall; third prize, Joseph Dutton.

The Harris Prize, in Political and Social Science: Frank Wilson Barnum.

The Deru Prize, for Excellence in Scholarship, Paul William Schlorff.

IN THE LAW SCHOOL.

The Callaghan Prize: Charles Byrd Elder, of Chicago.

The Encyclopedia Prize: Francis Joseph Ross Mitchell, A.B., of Evanston.

IN THE PHARMACY SCHOOL.

The Gilpin, Langdon & Co. Prize: Will George Marquette.

GENERAL ALUMNI ASSOCIATIONS.

FOR THE YEAR 1899-1900.

COLLEGE OF LIBERAL ARTS.

President—GEORGE A. FOSTER, '81.
Vice-President—EDWIN A. SHUMAN, '87.
Secretary—VACLAV K. FROULA, '98, 1112 Benson Ave., Evanston.
Treasurer—FRANK MCCLUSKEY, '99.

EXECUTIVE COMMITTEE.

GEORGE A. FOSTER, '81.
EBEN P. CLAPP, '81.
JAMES T. HATFIELD, '83.
CHARLES ZUEBLIN, '87.
VACLAV K. FROULA, '98.

DIRECTORS.

TERM EXPIRES 1902.

HARRIET A. MCWILLIAMS, '83.
EDWIN A. SCHELL, '86.
VACLAV K. FROULA, '98.
FRANK MCCLUSKEY, '99.

TERM EXPIRES 1901.

EBEN P. CLAPP, '81.
CHARLES E. PIPER, '82.
CHARLES ZUEBLER, '87.

TERM EXPIRES 1900.

JAMES T. HATFIELD, '83.
GEORGE A. FOSTER, 81.
EDWIN A. SHUMAN, '87.

All graduates of the College of Liberal Arts are eligible to membership in this association.

The membership fee is $10.00, and there are no further dues or assessments. The banquets and receptions of the association are most enjoyable features of commencement week for alumni. The mid-winter banquet is also under the auspices of this association.

Applications for membership should be made to the Treasurer, Frank McCluskey, 1575 Sherman Ave., Evanston.

MEDICAL SCHOOL.

President—GEORGE W. WEBSTER, '82.
First Vice-President—A. M. VAIL, '82.
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Necrologist—J. H. STOWELL, '81.

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Auditor—HUGH L. BURNHAM, '82.

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President—THOMAS V. WOOTEN, '89.
First Vice-President—JOHN H. MONTGOMERY, '91.
Second Vice-President—CARROLL M. MILLER, '99.
Secretary—FREDERICK H. ELSNER, '99, Chicago.
Treasurer—PROFESSOR MAURICE A. MINER.
Trustees—W. F. EGLER, '96, and GUSTAVE FRANK, '95.
Actuary—MRS. JESSIE HALL GAEBLER.

DENTAL SCHOOL.

President—FREDERICK B. NOYES, '95.
First Vice-President—G. A. STEVENSON, '98.
Second Vice-President—A. V. HARGETT, '98, Venetian Building, Chicago.
Secretary—GEO. B. MACFARLANE, '97, 70 State Street, Chicago.
Treasurer—W. E. HARPER, '91.
Executive Committee—ELKAN W. FISHELL, '96, THEODORE MENGES, '90, J. W. ERRINGER, '97.

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President—JULIA COLE BLACKMAN, '71.
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Vice-President—E. M. HOLMES, '83.
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Executive Committee—W. F. ATCHISON, '88, C. L. LOGAN, '82, JAMES ROWE, '92.

RECORDER OF ALUMNI.

The Faculty of Liberal Arts has appointed Miss Lodilla Ambrose (2024 Orrington Ave., Evanston) Recorder of Alumni. It is desired that alumni of the College of Liberal Arts should keep her informed as to any biographical items of interest, especially changes in address, and notices of the deaths of any of the graduates.

Professor Edward Avery Harriman, 210 Commercial National Bank Bldg., Chicago, has been appointed Recorder of Alumni for the Law School, and the law alumni are requested to communicate to him their addresses, and biographical items of interest.

PHI BETA KAPPA.

OFFICERS.

President—Henry Wade Rogers.
Vice-President—George A. Coe.
Recording Secretary—Clara Grant.
Corresponding Secretary—Charles M. Stuart.
Treasurer—William H. Tuttle.

MEMBERS INITIATED JUNE 14, 1899.

Chancellor William Fraser McDowell.
Professor James Alton James.
Katharine L. Sharp, '85.
Peul Milford Adams, '99.
Bertha Anderson, '99.
Frank Wilson Barnum, '99.
Dwight St. John Bobb, '99.
Andrew Cooke, '99.
Marjorie Lucille Fitch, '99.
Roy Caston Flickinger, '99.
Cora May Fyfe, '99.
Barry Gilbert, '99.
Eliza Platt Hall, '99.
Edith Estelle Heaps, '99.
Elfrieda Hochbaum, '99.
Willis Frank Minium, '99.
William Edward Myers, '99.
Herbert Giles Ozanne, '99.
Ruth Eloise Phillippi, '99.
Emily Isabel Rodgers, '99.
Russell Wilbur, '99.
Annie Mary Witt, '99.
Charles Franklin Juvinall, '99.

SUMMARY OF STUDENTS.

COLLEGE OF LIBERAL ARTS:		
Fellows,		4
Resident Graduates,		33
Non-resident Graduates,		5
Candidates for Bachelor's Degree,		492
Students not Candidates for a Degree,		80—614
MEDICAL SCHOOL:		
Fourth Year,		84
Third Year,		66
Second Year,		61
First Year,		74
Special Students,		40—325
LAW SCHOOL:		
Resident Bachelors of Law,		11
Third Year,		53
Second Year,		61
First Year,		62
Students not Candidates for a Degree,		24—211
SCHOOL OF PHARMACY:		
Candidates for Degree of Pharmaceutical Chemist,		6
Candidates for Degree of Graduate in Pharmacy,		228
Special Student,		1—235
DENTAL SCHOOL:		
Third Year,		207
Second Year,		208
First Year,		174
Special Students,		5—594
WOMAN'S MEDICAL SCHOOL,		— 69
SCHOOL OF MUSIC,		—149
GARRETT BIBLICAL INSTITUTE:		
Senior Class,		43
Middle Class,		41
Junior Class,		73—157
NORWEGIAN-DANISH,		— 8
SWEDISH THEOLOGICAL SCHOOL,		— 16
		2378
Deduct names counted twice and not previously deducted,		34
Total number of Students in Degree Departments,		2344

INDEX.

Absences, 145.
Academy of Sciences, 169.
Accredited Schools, 60.
Advisers, 65.
Admission,
  In College of Liberal Arts, 51.
  In Medical School, 180.
  In Law School, 210.
  In School of Pharmacy, 225.
  In Dental School, 232.
  In Woman's Medical School, 248.
  In Garrett Biblical Institute, 274.
Advanced Standing, Admission to,
  In College of Liberal Arts, 63.
  In Medical School, 182.
  In Law School, 220.
  In Dental School, 233.
  In Woman's Medical School, 249.
Algebra, 109.
Alumni Associations, 361.
American School, Classical Studies, 161.
Anatomy, 186, 238, 250.
Astronomy, 68.
Athletics, 152.

Bacteriological Laboratory, 190, 253.
Bacteriology, Instruction in, 190, 253.
Bible, 68.
Biology, 70.
Botanical Laboratory, 170.
Botany, 71.
Buildings, 161, 179, 279.

Calculus, 109.
Certificates for Admission, 59.
Charter, 37.
Chemical Laboratory, 170.
Chemistry, 73.
Christian Associations, 156.
College Cottage, 164.
College of Liberal Arts, 47-174.
  Faculty of, 47.
  Law Studies in, 142.
  Medical Studies in, 141.
  Students of, 285.
  Theological Studies in, 142.
Committees, 48.
Constitutional Law, 108.
Consultation Hours, 49.
Courses of Instruction, 68, 183, 211, 226, 233, 250, 269, 276.

Danish, 123.
Dearborn Observatory, 162, 166.
Degrees Conferred in 1899, 353.
Degrees,
  In College of Liberal Arts, 147.
  In Dental School, 244.
  In Law School, 220.
  In Medical School, 206.
  In School of Pharmacy, 225.
  In Woman's Medical School, 261.
  In Schools of Theology, 276.
Dental School, 231.
Doctor of Philosophy, Degree of, 149.
Dormitory, 161.

Economic Geology, 113.
Election of Studies, 65.
Electricity, 129.
Elocution, 75.
English Language, 76.
English Literature, 79.
Ethics, 117.
Examinations,
  In College of Liberal Arts, 58, 145.
Expenses,
  In College of Liberal Arts, 172.
  In Medical School, 207.
  In Law School, 223.
  In Music School, 271.
  In School of Pharmacy, 229.
  In Dental School, 244.
  In Woman's Medical School, 264.
  In Theological School, 280.

Faculties, Members of, 17-32.
Faculty of Liberal Arts, 47.
Fayerweather Hall of Science, 162.
Fees (see Expenses).
Fellows, 285.
Fellowships, 147.
Field Geology, 114.
Fisk Hall, 163.
French, 83.

Garrett Biblical Institute, 274.
Geology, 86.
Geological Laboratory, 170.
Geometry, 110.
German, 89.
Gothic, 92.
Government, 151.
Grades of Scholarship, 146.
Graduation (see Degrees).
Graduate Work, 142, 215, 277.
Greek, 95.
Gymnasium, 164, 171.
Gynecology, 196, 256.

Hebrew, 98.
Heck Hall, 164.
Histological Laboratories, 187, 236.
Histology, 187, 238, 252.
History, 99.

International Law, 107.
Italian, 103.

Laboratories, 170, 226.
Latin, 103.
Law, 107.
Law School, 209.
Libraries, 162, 165, 180, 219.
Literary Societies, 157.
Loans, 174.
Logic, 125.

Master's Degree, 148.
Mathematics, 109.
Medical School, 175.
Medical, Preparatory Course, 141, 182.
Memorial Hall, 162.
Meteorology, 68.
Mineralogy, 113.
Moral and Social Philosophy, 117.
Museums, 162.
Music Hall, 163, 266.
Music, Instruction in, 121, 269.
Music, School of, 266.
Musical Organizations, 154.

Norwegian, 123.
Norwegian-Danish Theological School, 281.

Observatory, Astronomical, 162, 166.
Obstetrics, 193, 256.
Organization, 36.
Orrington Lunt Library, 162, 165.

Paleontology, 87.
Pedagogics, 124.
Petrology, 113.
Pharmacy, School of, 224.
Philosophy, 117, 125.
Physiology, 188, 238, 251.
Physical Culture, 131.
Physics, 128.
Physical Laboratory, 170.
Political Economy, 132.
Prizes, 158.
Professional Studies, 140.
Programs of Study, 65.
Psychology, 126.

Records, 145.
Registration, 143.
Religions, 135.
Religious Culture, 154.

Scholarships, 157, 262.
Social Affairs, 154.
Societies, 157.
Spanish, 135.
Special Students,
  In College of Liberal Arts, 63.
  In Law School, 211.
  In Woman's Medical School, 250.
Statutes, 42.
Student Organizations, 157.
Students, Catalogue of,
  In College of Liberal Arts, 285.
  In Medical School, 301.
  In Law School, 310.
  In School of Pharmacy, 317.
  In Dental School, 323.
  In Woman's Medical School, 337.
  In School of Music, 339.
  In Schools of Theology, 343.
Summary of Students, 365.
Swedish, 136.
Swedish Theological School, 281.
Swift Hall, 163.

Theology, Schools of, 274.
Trustees, 13.
Trigonometry, 111.

University Council, 34.
University Hall, 161.
University Settlement, 157.

Woman's Hall, 164.
Woman's Medical School, 246.
Women, Admission of, 64.

Zoölogy, 136.
Zoölogical Laboratory, 171.

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